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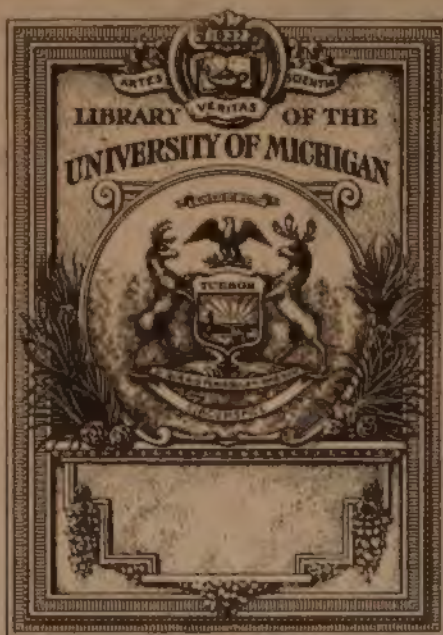
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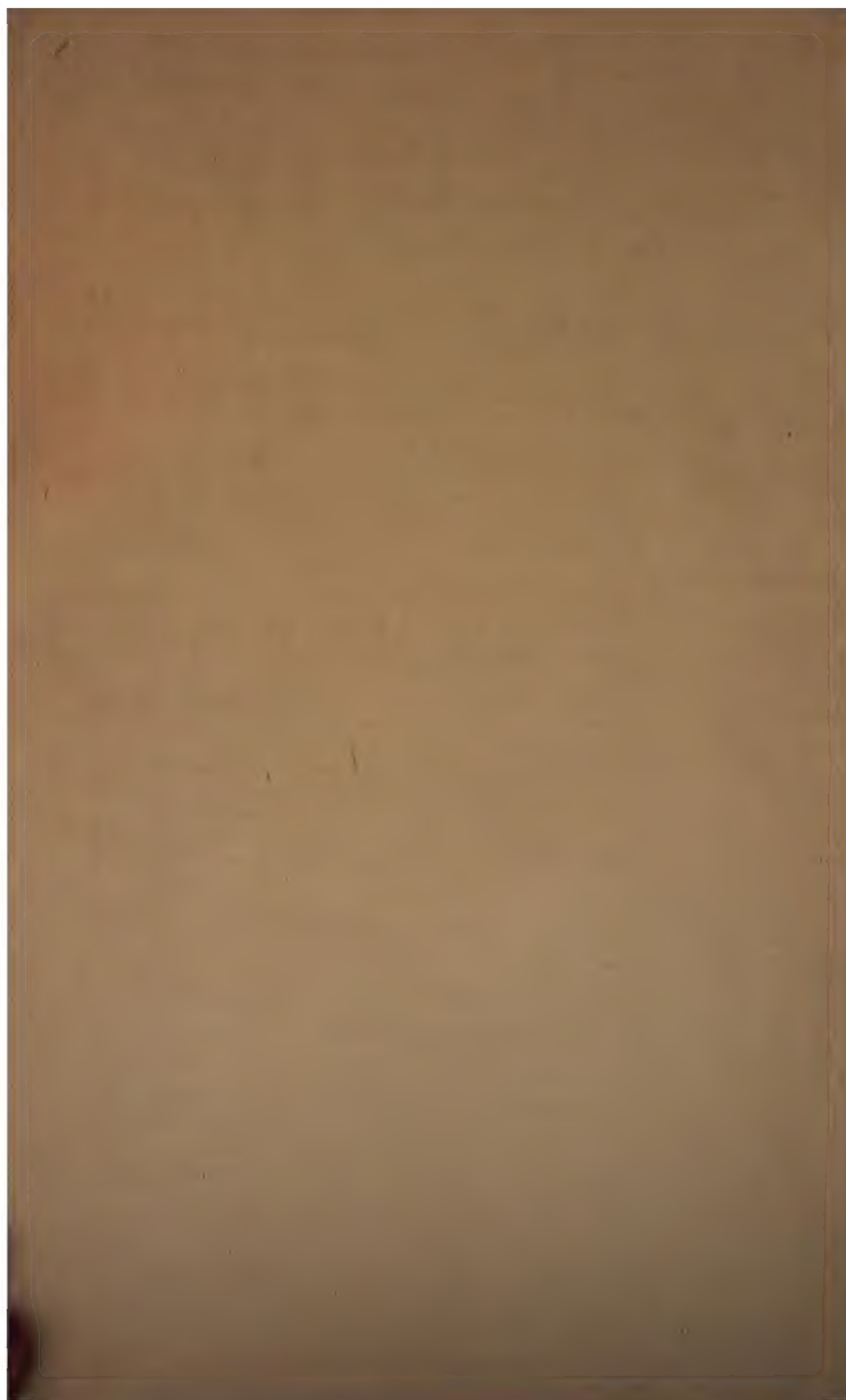
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**GOLD, PRICES, AND WAGES**  
**UNDER THE**  
**GREENBACK STANDARD**





UNIVERSITY OF CALIFORNIA PUBLICATIONS  
IN  
ECONOMICS

Vol. 1

March 27, 1908

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GOLD, PRICES, AND WAGES  
UNDER THE  
GREENBACK STANDARD

BY  
WESLEY C. MITCHELL

BERKELEY  
THE UNIVERSITY PRESS  
MARCH, 1908



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**GOLD, PRICES, AND WAGES**  
**UNDER THE**  
**GREENBACK STANDARD**



will find in most cases that arithmetic means, as well as deciles and medians, have been prepared for him.

The chief sources of data regarding prices and wages in the United States during the period of the greenback standard are the two reports from Mr. J. D. Weeks published in Vol. XX of the *Tenth Census*, and the "exhibits" of the Aldrich Report. The material in Weeks's reports has never been analyzed with a view to ascertaining the general drift of the facts which it sets forth at such length, except for the few years covered by the "History of the Greenbacks." But the material in the Aldrich Report was made the basis of elaborate tables of relative prices and relative wages, compiled under the direction of Professor Roland P. Falkner. My reasons for re-working this material are (1) that Professor Falkner did not use the price-quotations for April, July, and October, or the wage-quotations for July, and (2) that his methods have been shown by several critics to be seriously at fault. The new results obtained from this material are fuller than Falkner's for the years they cover, and show important divergencies from his figures in the degree of variation both of prices and of wages.

In compiling the tables great care has been exercised to guard against error, and every stage of the work has passed through the hands of at least two computers. Doubtless errors still remain undetected; but I do not think that there can be any of sufficient magnitude to affect the results appreciably.

To facilitate comparison, all the charts except the first and the last have been drawn to the same scale and reduced for reproduction in the same degree. In the two cases noted, index diagrams on the scale used for the other charts have been provided.

Acknowledgment is hereby made of aid received from the Carnegie Institution of Washington in the collection of data for this work. Professor Dewey has read the five chapters of text in MS.; Professor Carl C. Plehn has read part, and Professor Allyn A. Young has read all of the chapters in proof, and Mrs. Warren Gregory has read both the MS. and proof. To all these friends my thanks are due for kindly criticisms and valuable suggestions. The University of Chicago Press, the publisher of the "History

of the Greenbacks," has kindly consented to the use of statistical material covering the years 1860 to 1865, contained in the appendix of that volume. Mr. Joseph C. Rowell, Librarian of the University of California, has been most kind in helping me to get books from eastern libraries. I am also indebted to Mr. G. W. W. Hanger of the Bureau of Labor for information about a confused table in the Aldrich Report, and to Mr. David H. Parry, a recent graduate of the University of California, who has been a most efficient assistant in the compilation of the tables.

W. C. MITCHELL.

BERKELEY, March, 1908.



## CHAPTER I.

### THE PREMIUM ON GOLD AND THE SPECIE VALUE OF THE GREENBACKS.

#### I.—The Gold Markets.

When the New York banks suspended specie payments on Monday, December 30th, 1861, gold coin at once commanded a premium in paper money. For two weeks there was no organized market for gold; but people who desired to buy or sell coin resorted to the brokers in foreign money. On the 13th of January, however, the New York Stock Exchange began dealing in gold, a step which put the resources of a highly organized market at the disposal of those who wished to buy or sell coin or to speculate in "futures." Dealing in gold continued on the Stock Exchange until June 21, 1864, when the short-lived law prohibiting sales of gold outside of brokers' offices became effective. After this law was repealed transactions on the Stock Exchange were not regularly resumed except for a brief period in October 1864 when the Gold Exchange was closed because of the liquidation following the "Black Friday."

Meanwhile other organized markets had been established. The "Silver Board" of stock brokers was a prominent one of the "speculative" Stock Exchange, and like the latter added to the list of commodities dealt in. Its regular business was in silver and in 1863, when it was united with the Silver Exchange. The "Silver Exchange" began informally when a man who formed the habit of meeting in the corridors of the Exchange a number of gentlemen after the day's work was done. An association of gentlemen began to form and was soon organized as the Silver Exchange. The members were not at first very numerous, but the market was soon well supplied with silver. The members

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## CHAPTER I.

### THE PREMIUM ON GOLD AND THE SPECIE VALUE OF THE GREENBACKS.

#### *I.—The Gold Markets.*

When the New York banks suspended specie payments on Monday, December 30th, 1861, gold coin at once commanded a premium in paper money. For two weeks there was no organized market for gold; but people who desired to buy or sell coin resorted to the brokers in foreign money. On the 13th of January, however, the New York Stock Exchange began dealing in gold, a step which put the resources of a highly organized market at the disposal of those who wished to buy or sell coin or to speculate in "futures." Dealing in gold continued on the Stock Exchange until June 21, 1864, when the short-lived law prohibiting sales of gold outside of brokers' offices became effective. After this law was repealed transactions on the Stock Exchange were not regularly resumed, except for a brief period in October, 1869, when the Gold Exchange was closed because of the liquidation following "Black Friday."

Meanwhile other organized markets had been established. (1) The "Open Board" of stock brokers was a younger rival of the "regular" Stock Exchange, and like the latter added gold to the list of commodities dealt in. Its separate existence came to an end in 1869, when it was united with the Stock Exchange. (2) The "Evening Exchange" began informally when a number of men formed the habit of meeting in the corridors of the Fifth Avenue Hotel to continue speculating after the day exchanges had been closed. An enterprising Mr. Gallagher opened a luxurious room for the use of this company opposite the hotel in March, 1864. Here gold, together with railway and petroleum stocks, was bought and sold until midnight. This exchange was

regarded with disfavor by many business men, ostensibly because speculating both night and day was detrimental to health and morals. After the discovery of the Ketchum gold-certificate frauds in August, 1865, the banks and the other exchanges united to suppress trading at night, by forbidding their members to frequent Gallagher's room. Accordingly the Evening Exchange was closed. (3) The market known popularly as the "Gold Room" and formally as the "New York Gold Exchange" grew out of the operations of a knot of men who began in 1862 to buy and sell gold in a basement in William Street. As the numbers and prosperity of the company increased, they moved the "Gold Room" several times to obtain more commodious quarters. After the Stock Exchange dropped gold from the "call list" in June, 1864, the "Gold Room" became the most important market for gold in the country and continued such until specie payments were resumed January 1st, 1879. At first its organization was very loose; but in October, 1864, it adopted a constitution and by-laws, and began to elect regular officers. May 1, 1877, it affiliated with the Stock Exchange, and was thereafter styled "The New York Stock Exchange, Gold Department."<sup>1</sup>

## II.—*Tables of the Premium on Gold.*

The prices of gold in these various exchanges were regularly reported in the financial columns of the daily papers—often in much detail. The financial journals—such as *Hunt's Merchants' Magazine*, the *Bankers' Magazine*, and the *Commercial and Financial Chronicle*—usually contented themselves with publishing the opening, highest, lowest, and closing prices for each day. At intervals they compiled summary tables of daily highest and lowest prices for months or years. Similar tables were included in the statistical reports of such bodies as the Chamber of Commerce of the State of New York, and in the almanacs issued by various newspapers.

A more detailed record of the price of gold was preserved for most of the years of the paper standard in an annual publication issued by Mr. J. C. Mersereau, Register of the Gold Exchange,

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<sup>1</sup>*Bankers' Magazine* (New York), Vol. 31, p. 989.

under the title “American Gold, 1862-(date of issue).” This little volume usually gave for the preceding year the quotation for gold at ten o’clock and every quarter hour thereafter until three in the afternoon of each business day, and in all cases it gave the highest and lowest prices for every business day from January 13, 1862, when gold was first quoted on the Stock Exchange to the end of the previous year.

The tables of daily highest and lowest prices of gold found in the most important of these sources—namely: the *Commercial and Financial Chronicle*, the *Reports of the Chamber of Commerce of the State of New York*, and Mersereau’s *American Gold*—are in close agreement with each other. Numerous small discrepancies exist—the quotations frequently vary by an eighth, sometimes by a quarter; but it matters little which set of tables is followed. Since Mersereau was the official register of the Gold Exchange, however, his tables take precedence in authority. Accordingly, Table 1, in the appendix, which gives the daily highest and lowest prices of gold, is based on “*American Gold, 1862–1878*”—the latest issue of Mersereau’s annual I have been able to find. To guard against repeating the typographical errors which occur in Mersereau’s table I have collated it with the Chamber of Commerce table and made several corrections. Since Mersereau’s table is not available for 1878, the Chamber of Commerce figures, checked by those of the *Commercial and Financial Chronicle*, are used for the last year of the paper standard. To save space the premium on gold is given, instead of the price of gold in currency; and, to facilitate study of the depreciation in the specie value of the currency, columns have been added giving the prices of greenbacks in gold corresponding to the daily highest and lowest premiums on gold in greenbacks.

Mersereau does not state explicitly from what markets his quotations are taken; but comparison with other reports indicate that they refer to the Stock Exchange for January 13, 1862, to June 20, 1864, and thereafter to the Gold Exchange, except for the first part of October, 1869, when the Gold Exchange was closed and dealings were conducted on the Stock Exchange. The data for January 1–11, 1862, I have supplied from the financial columns of New York daily papers.



*III.—Changes in the Premium on Gold and in the Gold Value of the Greenbacks.*

It is unwise to begin the study of the fluctuations in the specie value of the paper standard by poring over the table of daily highest and lowest quotations given in the appendix. For the abundant detail of that table obscures the broader and more important features of the fluctuations. To make the latter plain two summary tables are presented here; one giving data by years, the other by months and quarters. The columns in these tables which show average prices are from the computations of Mr. E. B. Elliott, formerly Actuary of the Treasury. They are based on the opening, highest, lowest, and closing quotations of each business day, and are to be found in many of the statistical reports issued by the Treasury Department. The columns showing highest and lowest quotations are compiled from the table in the appendix. The chart which accompanies these tables shows for each month the average value of the greenbacks in gold and the range between the highest and lowest values. The corresponding prices of gold in greenbacks are shown in several of the later

TABLE 1.

*Lowest, average, and highest price of gold in greenbacks, and of greenbacks in gold: by years, 1862-1878.*

Years	Prices of Gold in Greenbacks				Prices of Greenbacks in Gold			
	Lowest	Average	Highest	Range	Highest	Average	Lowest	Range
1862	100 ½	113.3	134	33 ½	99.50	88.3	74.63	24.87
1863	122 ½	145.2	172 ½	50 ½	81.88	68.9	57.97	23.91
1864	151 ½	203.3	285	133 ½	66.01	49.2	35.09	30.92
1865	128 ½	157.3	233 ½	105 ½	77.75	63.6	42.78	34.97
1866	125	140.9	167 ½	42 ½	80.00	71.0	59.61	20.39
1867	132	138.2	146 ½	14 ½	75.76	72.4	68.32	7.44
1868	132 ½	139.7	150	17 ½	75.69	71.6	66.67	9.02
1869	119 ½	133.0	162 ½	43	83.68	75.2	61.54	22.14
1870	110	114.9	123 ½	13 ½	90.91	87.0	81.14	9.77
1871	108 ½	111.7	115 ½	7	92.27	89.5	86.67	5.60
1872	108 ½	112.4	115 ½	7 ½	92.17	89.0	86.49	5.68
1873	106 ½	113.8	119 ½	13	94.23	87.9	83.95	10.28
1874	109	111.2	114 ½	5 ½	91.74	89.9	87.43	4.31
1875	111 ½	114.9	117 ½	5 ½	89.49	87.0	85.02	4.47
1876	107	111.5	115	8	93.46	89.8	86.96	6.50
1877	102 ½	104.8	107 ½	5 ½	97.56	95.4	92.70	4.86
1878	100	100.8	102 ½	2 ½	100.00	99.2	97.21	2.79





TABLE 2.

*Lowest, average, and highest price of gold in greenbacks, and of greenbacks in gold, by months, quarters, and years: 1862-1878.*

1862.						
	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	100 ½	102.5	105	99.50	97.6	95.24
February	102 ½	103.5	104 ¾	97.92	96.6	95.47
March	101 ½	101.8	102 ½	98.89	98.2	97.56
1st quarter	100 ½	102.6	105	99.50	97.5	95.24
April	101	101.5	102 ¾	99.01	98.5	97.80
May	102 ½	103.3	104 ¾	97.92	96.8	96.04
June	103 ¾	106.5	109 ½	96.74	93.9	91.32
2d quarter	101	103.8	109 ½	99.01	96.3	91.32
July	108 ¾	115.5	120 ¾	91.95	86.6	83.25
August	112 ½	114.5	116 ¾	88.89	87.3	86.02
September	116 ½	118.5	124	85.84	84.4	80.65
3d quarter	108 ¾	116.2	124	91.95	86.1	80.65
October	122	128.5	133 ½	81.97	77.8	74.91
November	129	131.1	133 ¾	77.52	76.3	75.05
December	128 ½	132.3	134	77.82	75.6	74.63
4th quarter	122	130.6	134	81.97	76.6	74.63
Year	100 ½	113.3	134	99.50	88.3	74.63

1863.						
	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	133 ¾	145.1	160 ¾	74.84	68.9	62.21
February	152 ½	160.5	172 ½	65.57	62.3	57.97
March	139	154.5	171 ¾	71.94	64.7	58.22
1st quarter	133 ¾	153.4	172 ½	74.84	65.2	57.97
April	145 ½	151.5	157 ¾	68.73	66.0	63.34
May	143 ½	148.9	154 ¾	69.69	67.2	64.62
June	140 ½	144.5	148 ¾	71.17	69.2	67.40
2d quarter	140 ½	148.3	157 ¾	71.17	67.4	63.34
July	123 ¾	130.6	145	81.14	76.6	68.97
August	122 ½	125.8	129 ¾	81.88	79.5	77.07
September	126 ¾	134.2	143 ¾	78.82	74.5	69.87
3d quarter	122 ½	130.2	145	81.88	76.8	68.97
October	140 ¾	147.7	156 ¾	71.24	67.7	63.80
November	143	148.0	154	69.93	67.6	64.94
December	148 ½	151.1	152 ¾	67.51	66.2	65.47
4th quarter	140 ¾	148.9	156 ¾	71.24	67.2	63.80
Year	122 ½	145.2	172 ½	81.88	68.9	57.97

TABLE 2—(CONTINUED).

*Lowest, average, and highest price of gold in greenbacks, and of greenbacks in gold, by months, quarters, and years: 1862-1878.*

1864.						
	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	151½	155.5	159½	66.01	64.3	62.75
February	157½	158.6	161	63.64	63.1	62.11
March	159	162.9	169½	62.89	61.4	58.91
1st quarter	151½	159.0	169½	66.01	62.9	58.91
April	166½	172.7	184½	60.15	57.9	54.13
May	168	176.3	186½	59.52	56.7	53.69
June	188½	210.7	250	53.05	47.5	40.00
2d quarter	166½	186.6	250	60.15	53.6	40.00
July	222	258.1	285	45.05	38.7	35.09
August	231½	254.1	261½	43.20	39.4	38.20
September	191	222.5	254½	52.36	44.9	39.29
3d quarter	191	244.9	285	52.36	40.8	35.09
October	189	207.2	227½	52.91	48.3	43.91
November	210	233.5	260	47.62	42.8	38.46
December	212½	227.5	243	47.00	44.0	41.15
4th quarter	189	222.7	260	52.91	44.9	38.46
Year	151½	208.3	285	66.01	49.2	35.09
1865.						
	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	198½	216.2	233½	50.47	46.3	42.78
February	196½	205.5	216½	50.86	48.7	46.19
March	148½	173.8	201	67.45	57.5	49.75
1st quarter	148½	198.5	233½	67.45	50.4	42.78
April	144	148.5	153½	69.44	67.3	65.09
May	128½	135.6	145½	77.75	73.7	68.79
June	135½	140.1	147½	73.60	71.4	67.85
2d quarter	128½	141.4	158½	77.75	70.7	65.09
July	138½	142.1	146	72.07	70.4	68.49
August	140½	143.5	145½	71.30	69.7	68.79
September	142½	143.9	145½	70.11	69.5	68.55
3d quarter	138½	143.2	146	72.07	69.8	68.49
October	144½	145.5	149	69.38	68.7	67.11
November	145½	147.0	148½	68.55	68.0	67.23
December	144½	146.2	148½	69.14	68.4	67.34
4th quarter	144½	146.2	149	69.38	68.4	67.11
Year	128½	157.3	233½	77.75	68.6	42.78

TABLE 2—(CONTINUED).

*Lowest, average, and highest price of gold in greenbacks, and of greenbacks in gold, by months, quarters, and years: 1862-1878.*

1866.						
	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	136%	140.1	144%	73.13	71.4	69.14
February	135%	138.4	140%	73.60	72.3	71.11
March	125	130.5	136½	80.00	76.6	73.26
1st quarter	125	136.3	144%	80.00	73.3	69.14
April	125%	127.3	129½	79.76	78.6	77.22
May	125½	131.8	141½	79.92	75.9	70.67
June	137%	148.7	167%	72.66	67.2	59.61
2d quarter	125½	135.9	167%	79.92	73.6	59.61
July	147	151.6	155%	68.03	66.0	64.21
August	146½	148.7	152½	68.26	67.2	65.68
September	143½	145.5	147½	69.81	68.7	67.97
3d quarter	143½	148.6	155%	69.81	67.2	64.21
October	145%	148.3	154%	68.79	67.4	64.78
November	137½	143.8	148%	72.73	69.5	67.28
December	131½	136.7	141%	76.19	73.2	70.55
4th quarter	131½	142.9	154%	76.19	70.0	64.78
Year	125	140.9	167%	80.00	71.0	59.61
1867.						
	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	132	134.6	137%	75.76	74.3	72.53
February	135½	137.4	140½	73.94	72.8	71.17
March	133%	135.0	140%	74.98	74.1	71.24
1st quarter	132	135.7	140½	75.76	73.7	71.17
April	132%	135.6	142	75.40	73.7	70.42
May	134%	137.0	138%	74.14	73.0	72.01
June	136%	137.5	138%	73.33	72.7	72.07
2d quarter	132%	136.7	142	75.40	73.2	70.42
July	138	139.4	140%	72.46	71.7	71.05
August	139%	140.8	142%	71.49	71.0	70.24
September	141	143.4	146%	70.92	69.7	68.32
3d quarter	138	141.2	146%	72.46	70.8	68.32
October	140½	143.5	145%	71.30	69.7	68.67
November	137%	139.6	141½	72.53	71.6	70.67
December	133	134.8	137%	75.19	74.2	72.53
4th quarter	133	139.3	145%	75.19	71.8	68.67
Year	132	138.2	146%	75.76	72.4	68.32

TABLE 2—(CONTINUED).

*Lowest, average, and highest price of gold in greenbacks, and of greenbacks in gold, by months, quarters, and years: 1862-1878.*

1868.						
	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	133 ¼	138.5	142 ¼	75.05	72.2	70.30
February	139 ¾	141.4	144	71.62	70.7	69.44
March	137 ¾	139.5	141 ¾	72.53	71.7	70.73
1st quarter	133 ¼	139.8	144	75.05	71.5	69.44
April	137 ¾	138.7	140 ¾	72.60	72.1	71.24
May	139 ¾	139.6	140 ¼	71.88	71.6	71.17
June	139 ¾	140.1	141 ¼	71.75	71.4	70.80
2d quarter	137 ¾	139.5	141 ¼	72.60	71.7	70.80
July	140 ¼	142.7	145 ¼	71.36	70.1	68.85
August	143 ½	145.5	150	69.69	68.7	66.67
September	141 ½	143.6	145 ½	70.86	69.6	68.91
3d quarter	140 ¼	143.9	150	71.36	69.5	66.67
October	133 ¾	137.1	140 ½	74.77	72.9	71.17
November	132 ½	134.4	137	75.69	74.4	72.99
December	134 ¾	135.2	136 ¾	74.42	74.0	73.13
4th quarter	132 ½	135.6	140 ½	75.69	73.7	71.17
Year	132 ¼	139.7	150	75.69	71.6	66.67
1869.						
	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	134 ¾	135.6	136 ¾	74.28	73.7	73.06
February	130 ¾	134.4	136 ¼	76.41	74.4	73.39
March	130 ¾	131.3	132 ½	76.78	76.2	75.47
1st quarter	130 ¾	133.8	136 ¾	76.78	74.7	73.06
April	131 ¼	132.9	134 ¾	76.19	75.2	74.21
May	134 ¾	139.2	144 ¾	74.28	71.8	69.03
June	136 ¾	138.1	139 ¾	73.33	72.4	71.62
2d quarter	131 ¼	136.7	144 ¾	76.19	73.2	69.03
July	134	136.1	137 ¾	74.63	73.5	72.53
August	131 ¼	134.2	136 ¾	76.19	74.5	73.19
September	130 ¾	136.8	162 ½	76.56	73.1	61.54
3d quarter	130 ¾	135.7	162 ½	76.56	73.7	61.54
October	128 ¾	130.2	132	78.05	76.8	75.76
November	121 ¼	126.2	128 ¾	82.56	79.2	77.90
December	119 ½	121.5	124	83.68	82.3	80.65
4th quarter	119 ½	126.0	132	83.68	79.4	75.76
Year	119 ½	133.0	162 ½	83.68	75.2	61.54

TABLE 2—(CONTINUED).

*Lowest, average, and highest price of gold in greenbacks, and of greenbacks in gold, by months, quarters, and years: 1862-1878.*

1870.						
	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	119 ¾	121.3	123 ¼	83.77	82.4	81.14
February	115	119.5	121 ½	86.96	83.7	82.30
March	110 ¼	112.6	116 ¾	90.70	88.8	85.93
1st quarter	110 ¼	117.8	123 ¼	90.70	84.9	81.14
April	111 ½	113.1	115 ¾	89.69	88.4	86.49
May	113 ¾	114.7	115 ½	87.91	87.2	86.58
June	110 ¾	112.9	114 ¾	90.19	88.6	87.15
2d quarter	110 ¾	113.6	115 ¾	90.19	88.0	86.49
July	111 ¾	116.8	122 ¾	89.99	85.6	81.47
August	114 ¾	117.9	122	87.15	84.8	81.97
September	112 ¾	114.8	116 ¾	88.69	87.1	85.65
3d quarter	111 ¾	116.5	122 ¾	89.99	85.8	81.47
October	111 ¾	112.8	114 ¾	89.99	88.7	87.53
November	110	111.4	113 ½	90.91	89.8	88.11
December	110 ½	110.7	111 ¾	90.50	90.3	89.79
4th quarter	110	111.6	114 ¾	90.91	89.6	87.53
Year	110	114.9	123 ¼	90.91	87.0	81.14
1871.						
	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	110 ¼	110.7	111 ¾	90.50	90.3	89.89
February	110 ¾	111.5	112 ¾	90.29	89.7	89.09
March	110 ¾	111.0	111 ¾	90.81	90.1	89.59
1st quarter	110 ¾	111.1	112 ¾	90.81	90.0	89.09
April	110 ¾	110.6	111 ¾	90.81	90.4	89.49
May	111	111.5	112 ¾	90.09	89.7	89.09
June	111 ¾	112.4	113 ¾	89.49	89.0	88.40
2d quarter	110 ¾	111.5	113 ¾	90.81	89.7	88.40
July	111 ¾	112.4	113 ¾	89.49	89.0	87.91
August	111 ¾	112.4	113 ¾	89.59	89.0	88.40
September	112 ¾	114.5	115 ¾	88.09	87.3	86.67
3d quarter	111 ¾	113.1	115 ¾	89.59	88.4	86.67
October	111 ¾	113.2	115	89.69	88.3	86.96
November	110 ¾	111.2	112 ¾	90.60	89.9	88.99
December	108 ¾	109.3	110 ½	92.27	91.5	90.50
4th quarter	108 ¾	112.2	115	92.27	90.0	86.96
Year	108 ¾	111.7	115 ¾	92.27	89.5	86.67



TABLE 2—(CONTINUED).

*Lowest, average, and highest price of gold in greenbacks, and of greenbacks in gold, by months, quarters, and years: 1862-1878.*

1872.						
	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	108½	109.1	110½	92.17	91.7	90.81
February	109½	110.3	111	91.32	90.7	90.09
March	109½	110.1	110½	91.12	90.8	90.40
1st quarter	108½	109.8	111	92.17	91.0	90.09
April	109½	111.1	113½	91.01	90.0	88.30
May	112½	113.7	114½	89.19	88.0	87.15
June	113	113.9	114½	88.50	87.8	87.15
2d quarter	109½	112.9	114½	91.01	88.6	87.15
July	113½	114.3	115½	88.20	87.5	86.77
August	112½	114.4	115½	89.19	87.4	86.49
September	112½	113.5	115½	88.79	88.1	86.86
3d quarter	112½	114.1	115½	89.19	87.6	86.49
October	112½	113.2	115½	89.09	88.3	86.77
November	111½	112.9	114½	89.79	88.6	87.53
December	111½	112.2	113½	89.79	89.1	88.11
4th quarter	111½	112.8	115½	89.79	88.7	86.77
Year	108½	112.4	115½	92.17	89.0	86.49

1873.						
	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	111½	112.7	114½	89.59	88.7	87.53
February	112½	114.1	115½	88.59	87.6	86.86
March	114½	115.5	118½	87.24	86.6	84.39
1st quarter	111½	114.1	118½	89.59	87.6	84.39
April	116½	117.8	119½	85.65	84.9	83.95
May	116½	117.7	118½	85.74	85.0	84.30
June	115	116.5	118½	86.96	85.8	84.57
2d quarter	115	117.3	119½	86.96	85.3	83.95
July	115	115.7	116½	86.96	86.4	85.93
August	114½	115.4	116½	87.43	86.7	86.02
September	110½	112.7	116½	90.19	88.7	86.11
3d quarter	110½	114.6	116½	90.19	87.3	85.93
October	107½	108.9	111½	92.92	91.8	89.89
November	106½	108.6	110½	94.23	92.1	90.50
December	108½	110.0	112½	92.06	90.9	88.79
4th quarter	106½	109.2	112½	94.23	91.6	88.79
Year	106½	113.8	119½	94.23	87.9	83.95

TABLE 2—(CONTINUED).

*Lowest, average, and highest price of gold in greenbacks, and of greenbacks in gold, by months, quarters, and years: 1862-1878.*

1874.						
	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	110 ½	111.4	112 ½	90.81	89.7	89.19
February	111 ½	112.3	113	89.79	89.1	88.50
March	111 ½	112.1	113 ½	89.89	89.2	88.01
1st quarter	110 ½	111.9	113 ½	90.81	89.8	88.01
April	111 ½	113.4	114 ½	89.49	88.2	87.48
May	111 ½	112.4	113 ½	89.39	89.0	88.40
June	110 ½	111.3	112 ½	90.50	90.0	89.09
2d quarter	110 ½	112.4	114 ½	90.50	89.0	87.48
July	109	110.0	110 ½	91.74	91.0	90.19
August	109 ½	109.7	110 ½	91.53	91.2	90.70
September	109 ½	109.7	110 ½	91.43	91.2	90.70
3d quarter	109	109.8	110 ½	91.74	91.1	90.19
October	109 ½	110.0	110 ½	91.12	91.0	90.60
November	110	110.9	112 ½	90.91	90.2	88.99
December	110 ½	111.7	112 ½	90.50	89.6	88.99
4th quarter	109 ½	110.9	112 ½	91.12	90.2	88.99
Year	109	111.2	114 ½	91.74	89.9	87.48
1875.						
	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	111 ½	112.5	113 ½	89.49	88.9	88.20
February	113 ½	114.5	115 ½	88.30	87.3	86.67
March	114 ½	115.5	117	87.43	86.6	85.47
1st quarter	111 ½	114.2	117	89.49	87.6	85.47
April	114	114.8	115 ½	87.72	87.1	86.39
May	115	115.8	116 ½	86.96	86.3	85.93
June	116 ½	117.0	117 ½	86.02	85.4	85.11
2d quarter	114	115.9	117 ½	87.72	86.3	85.11
July	111 ½	114.8	117 ½	89.49	87.2	85.29
August	112 ½	113.5	114 ½	88.79	88.1	87.15
September	113 ½	115.8	117 ½	87.91	86.4	85.20
3d quarter	111 ½	114.7	117 ½	89.49	87.2	85.20
October	114 ½	116.4	117 ½	87.84	85.9	85.02
November	114 ½	114.7	116 ½	87.62	87.2	85.93
December	112 ½	113.9	115 ½	88.79	87.8	86.77
4th quarter	112 ½	115.0	117 ½	88.79	86.9	85.02
Year	111 ½	114.9	117 ½	89.49	87.0	85.02

TABLE 2—(CONTINUED).

*Lowest, average, and highest price of gold in greenbacks, and of greenbacks in gold, by months, quarters, and years: 1862-1878.*

1876.						
	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	112 $\frac{1}{2}$	112.8	113 $\frac{1}{4}$	88.99	88.6	88.30
February	112 $\frac{1}{2}$	113.4	114 $\frac{1}{4}$	88.69	88.2	87.62
March	113 $\frac{1}{4}$	114.3	115	87.91	87.5	86.96
1st quarter	112 $\frac{1}{2}$	113.5	115	88.99	88.1	86.96
April	112 $\frac{1}{4}$	113.0	113 $\frac{1}{2}$	88.89	88.5	87.82
May	112 $\frac{1}{4}$	112.6	113 $\frac{1}{4}$	89.09	88.8	88.30
June	111 $\frac{1}{2}$	112.5	113	89.39	88.9	88.50
2d quarter	111 $\frac{1}{2}$	112.7	113 $\frac{1}{2}$	89.39	88.7	87.82
July	111 $\frac{1}{2}$	111.9	112 $\frac{1}{2}$	89.79	89.4	88.89
August	109 $\frac{1}{2}$	111.2	112 $\frac{1}{4}$	91.12	89.9	89.19
September	109 $\frac{1}{4}$	110.0	110 $\frac{1}{2}$	91.53	90.9	90.60
3d quarter	109 $\frac{1}{4}$	111.0	112 $\frac{1}{2}$	91.53	90.1	88.89
October	108 $\frac{1}{2}$	109.7	113 $\frac{1}{4}$	91.85	91.2	88.30
November	108 $\frac{1}{4}$	109.1	110 $\frac{1}{2}$	92.49	91.7	90.81
December	107	107.9	109	93.46	92.6	91.74
4th quarter	107	108.9	113 $\frac{1}{4}$	93.46	91.8	88.30
Year	107	111.5	115	93.46	89.8	86.96
1877.						
	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	105 $\frac{1}{4}$	106.3	107 $\frac{1}{4}$	95.01	94.0	93.35
February	104 $\frac{1}{4}$	105.4	106 $\frac{1}{4}$	95.58	94.8	94.23
March	104 $\frac{1}{4}$	104.8	105 $\frac{1}{2}$	95.92	95.4	94.90
1st quarter	104 $\frac{1}{4}$	105.3	107 $\frac{1}{4}$	95.92	94.8	93.35
April	104 $\frac{1}{4}$	106.2	107 $\frac{1}{2}$	95.47	94.2	92.70
May	106 $\frac{1}{4}$	106.9	107 $\frac{1}{2}$	94.12	93.5	93.13
June	104 $\frac{1}{4}$	105.4	106 $\frac{1}{2}$	95.47	94.9	94.01
2d quarter	104 $\frac{1}{4}$	106.2	107 $\frac{1}{2}$	95.47	94.2	92.70
July	105 $\frac{1}{4}$	105.4	106 $\frac{1}{2}$	95.12	94.9	94.23
August	103 $\frac{1}{2}$	105.0	105 $\frac{1}{2}$	96.27	95.2	94.79
September	102 $\frac{1}{2}$	103.8	104	97.21	96.8	96.15
3d quarter	102 $\frac{1}{2}$	104.6	106 $\frac{1}{4}$	97.21	95.6	94.23
October	102 $\frac{1}{4}$	102.8	103 $\frac{1}{2}$	97.56	97.3	96.74
November	102 $\frac{1}{4}$	102.8	103 $\frac{1}{2}$	97.56	97.3	96.74
December	102 $\frac{1}{4}$	102.8	103 $\frac{1}{2}$	97.56	97.3	96.74
4th quarter	102 $\frac{1}{4}$	102.8	103 $\frac{1}{2}$	97.56	97.3	96.74
Year	102 $\frac{1}{4}$	104.8	107 $\frac{1}{2}$	97.56	95.4	92.70

TABLE 2—(CONCLUDED).

*Lowest, average, and highest price of gold in greenbacks, and of greenbacks in gold, by months, quarters, and years: 1862–1878.*

	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	101 ¼	102.1	102 ¾	98.77	97.9	97.21
February	101 ¾	102.0	102 ¾	98.40	98.0	97.68
March	100 ¾	101.2	102	99.26	98.8	98.04
1st quarter	100 ¾	101.7	102 ¾	99.26	98.2	97.21
April	100 ¾	100.6	101 ¼	99.88	99.4	98.77
May	100 ¾	100.7	101 ¼	99.75	99.3	98.77
June	100 ¾	100.8	101	99.38	99.2	99.01
2d quarter	100 ¾	100.7	101 ¼	99.88	99.3	98.77
July	100 ¾	100.5	100 ¾	99.63	99.5	99.26
August	100 ¾	100.5	100 ¾	99.50	99.5	99.26
September	100 ¾	100.4	100 ½	99.88	99.6	99.50
3d quarter	100 ¾	100.5	100 ¾	99.88	99.5	99.26
October	100 ¾	100.5	101 ¾	99.75	99.5	98.16
November	100 ¾	100.2	100 ½	99.88	99.8	99.50
December	100	100.1	100 ½	100.00	99.9	99.50
4th quarter	100	100.3	101 ¾	100.00	99.7	98.16
Year	100	100.8	102 ¾	100.00	99.2	97.21

charts. The present chart is drawn to two scales; the larger one chosen to throw the fluctuations into high relief, the smaller to show how the same fluctuations appear when represented on the flat scale used in the charts of relative prices and wages.

These summary tables and the chart show the existence of four clearly differentiated periods in the fluctuations of the premium during the 17 years of the greenback standard of value. The first period begins with the suspension of specie payments and ends in April, 1865, with Lee's surrender. It is characterized by violent fluctuations in the price of gold and high average premiums. The second period extends from May, 1865, to "Black Friday," September 24, 1869. During these years the gold market was on the whole quieter than it had been during the war, the premium averaged much lower than in 1864 and the early months of 1865, and the range of fluctuations was narrower—even in 1866, the year when McCulloch's policy of contraction

was checked and when London suffered the Overend-Gurney panic, and in 1869, the year of "Black Friday." But despite many temporary ups and downs there was no permanent reduction of the premium within this period; for the average gold quotation of its first month was 135.6 and of its last month 136.8. The third period begins October, 1869, and extends to March, 1876. This period, when compared with the second, is characterized by a much lower average premium and a narrower range of fluctuations; but it is like the second in showing no permanent reduction of the premium within its own limits. The average premium for the last year, 1875, is the same as the average for the first year, 1870. Doubtless the generally lower level about which the premium fluctuated during these years was due mainly to the improvement in the financial credit of the government caused by the "public credit" act of 1869, by successful refunding operations, and by the reduction of the principal of the public debt. That no progressive decline of the premium took place between the beginning and the end of the period was due to the fact that the prospect of resumption of specie payments seemed as remote in 1875 as it had seemed in 1870. The resumption act bears the date January 14, 1875, to be sure; but current comment of well-informed journals shows that at the time of its enactment it was not taken seriously by the public. One interesting feature of this period is that the great crisis of 1873 led to a sharp fall of the premium, despite the fact that the Secretary of the Treasury reissued \$26,000,000 of greenbacks which had been withdrawn by Secretary McCulloch. The final period in the history of the paper standard extends from April, 1876, to the resumption of specie payments on January 1st, 1879. It is characterized by an almost unbroken decline in the premium on gold and a narrow range of fluctuations. The reason for this decline—at least after March, 1877, when John Sherman became secretary of the treasury—is obviously found in the effective preparations to execute the resumption act of 1875, and the fortunate turn of foreign trade which facilitated Sherman's operations.

Study of the monthly table of gold quotations, of the chart which follows, and of the detailed table in the appendix, shows that each of these four periods contains within it numerous up-

ward and downward movements, some of which extended over many months and covered a wide range. Thus the first period shows five well marked subdivisions. (1) January to April, 1862, when the hope of ending the war in the spring was high, the premium was small and steady. (2) From April, 1862, to February, 1863, there occurred an almost unbroken advance in the premium connected with the failure of McClellan's peninsula campaign, the second issue of the greenbacks, the administration's losses in the autumn elections, Chase's depressing finance report, Burnside's defeat at Fredericksburg, and the third legal tender act. (3) From March to August the premium fell, mainly because of Mr. Jay Cooke's success in selling bonds, the victory of Gettysburg, and the capture of Vicksburg and Port Hudson. (4) From September to July, 1864, the premium rose again because of disappointment over Lee's escape, lack of military progress, the dilatoriness of Congress in voting taxes, the Treasury's futile campaign against speculators in gold, and the difficulty in selling bonds. (5) Finally the fall of the premium from August, 1864, to May, 1865, was brought about by the victories of Grant, Sherman, and Sheridan which put an end to the war. Still more detailed study shows minor ups and downs, varying the general trend, within each of these smaller periods.<sup>2</sup>

Investigation of these minor fluctuations in the price of gold would be of slight interest without a thorough-going attempt to find the multifarious causes which produced them. But such an attempt would require the presentation and analysis of much material which finds no place in the present volume of statistical tables. The one topic which can be treated on the basis of these tables is the connection between the fluctuations of the price of gold and the fluctuations of the relative prices of commodities and labor. And this topic, of course, cannot be taken up until the tables of relative prices and wages have been presented.

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<sup>2</sup> A detailed account of the fluctuations in the specie value of the greenbacks from 1862 to 1865 is given in *A History of the Greenbacks*, part ii, chapter iii.

## CHAPTER II.

## THE PRICES OF COMMODITIES AT WHOLESALE.

*I.—Material and Methods.*

The primary purpose of the following tables is to provide material for investigating the influence of the variations in the specie value of the irredeemable paper standard of 1862 to 1878 upon prices at wholesale. This purpose, together with the limitations of the available data, determines the chief features of the tables.

(1) The frequency of wide fluctuations in the premium on gold makes it desirable to have a table showing relative prices at brief intervals. The best that can be done in this direction with the available data is to make a quarterly table. In the exhibits of the *Aldrich Report*<sup>1</sup> there are 150 approximately complete series of wholesale price quotations for January, April, July, and October; or for February, May, August, and November of each year from 1860 to 1880. To these may be added three similar series for different grades of wool, compiled by Messrs. Mauger and Avery. A larger number of series could be found if we were content with one index number for each year instead of four; but the gain in comprehensiveness of material would be more than offset by the diminution in the number of points at which comparison could be made with the premium on gold.

(2) To compare the fluctuations in the prices of commodities with the fluctuations in the price of gold it is necessary to treat the prices quoted at various dates after suspension of specie payments as percentages of the prices prevailing before suspension. Since many of the series to be used do not go back of 1860 it is not possible to use average prices for a decade or five years as the basis; and since 1861 was a year of marked business depression and exceptionally low wholesale prices it seems desirable to de-

<sup>1</sup> Technically designated as "Wholesale Prices, Wages and Transportation. Report by Mr. Aldrich from the Committee on Finance, March 3, 1893, 52d Congress, 2nd session, Senate Report, 1394."

pend upon the prices of 1860 alone. Accordingly relative prices have been computed uniformly upon the basis: actual prices in 1860 = 100.<sup>2</sup>

(3) Of the 153 available series a large number represent quotations for slightly different forms of the same commodity, or for closely related commodities. For example, there are 3 series for flaxseed, 5 for starch, 2 for pails with two hoops and 1 for pails with three hoops, etc. To use several series for some commodities, while other commodities are represented by but one series, is a course purposely adopted by certain statisticians—for example, Mr. Sauerbeck—as a rough method of weighting. But in the *Aldrich Report* the commodities represented by 2 or more series are in many cases of minor importance, and to use all these series, as Professor Falkner did in constructing his table of wholesale prices from this material, gives averages weighted in a manner which cannot be defended.<sup>3</sup> Since there is seldom ground for selecting one of the two or more series in preference to the others, in all such cases I have computed averages of the relative prices of the related series and used the resulting series of averages in making the tables.

To determine what series are so closely related as to require this treatment is often a delicate task. In doubtful cases I have preferred to put the commodities into a group rather than to leave them separate: for example, I have used a single series of averages to represent the relative prices of all the cotton textiles. But where prices are quoted for a raw material and products made from it I have always kept at least two series—for example, cotton and cotton textiles, corn and corn meal, hides and leather,

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<sup>2</sup> In the case of commodities subject to marked seasonal fluctuations of price I have used the average of the quarterly quotations for 1860 as the basis. In other cases I have preferred to maintain, so far as possible, comparability with the series of relative prices computed under Professor Falkner's direction for Senator Aldrich's committee by following his example in selecting the price of some one month. Usually this month is January; but in certain instances Professor Falkner deemed the price of some other month more significant. The relative prices of the different kinds of lumber for example, are based on the July quotations for 1860. The base used in each series can be made out by examining the relative prices for the four quarters of 1860 as shown in Table 2 of the appendix.

<sup>3</sup> Compare *A History of the Greenbacks*, pp. 249-254. Falkner's error in this respect is being perpetuated by the Bureau of Labor in its table of relative prices at wholesale since 1890.



wheat, wheat-flour, and crackers, etc. In all, 29 groups have been made from 90 individual series. The resulting series of average relative prices for these 29 groups, together with the 63 series of relative prices for commodities for which but one set of quotations is available, make a total of 92 series used in the tables.\*

(4) Weights have not been used in making the tables. In an attempt to learn what influence is exercised by monetary factors on prices the importance of a commodity as an article of trade or of consumption is not a relevant consideration. However, if one proceeds to investigate the economic significance of the fluctuations which have occurred in the wholesale price-level, the relative importance of the commodities included in the tables becomes a matter of concern. To serve such purposes I would have constructed a second set of weighted tables had I been able to find data showing approximately the relative importance of the commodities represented by the 92 series as articles of wholesale trade. But the attempt to devise a scheme of weights showed that so large an element of conjecture is involved as to make the results of doubtful value. Professor Falkner, to be sure, constructed weighted averages from the Aldrich data, obtaining his weights from budgets of expenditures by workingmen's families. Such budgets of course are based on purchases at retail, and several of Falkner's critics have pointed out that his use of them for weighting wholesale prices is objectionable in principle and imperfect in practice. Sharing these views, I have reserved this plan of weighting for application to the retail price series of the next chapter, and limited the treatment of wholesale prices substantially to making a set of "simple" tables.

(5) In making tables of prices the commonest method is to compute for each date arithmetic means of the relative prices of all series used and to present these means as a representation of the movements of the price-level during the period covered. This method is sometimes varied by using geometric means, medians, or modes, in place of arithmetic means. Since the days of Jevons, the relative merits of these various forms of average has been

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\*The details of the grouping are shown in Table 2 of the appendix. The names of the 92 series used in the tables of the text are incidentally shown in Table 14.

one of the conventionally accepted topics of discussion among economic statisticians. Little attention, however, has been paid to the fact that no single set of averages, whatever their form, can be an adequate representation of the complex phenomena of a rise or fall in prices. All that a set of averages can be made to show is a net result of the diverse fluctuations in the prices of the commodities for which quotations are available. For some purposes for which price tables are used this net result may be all that is required. But whenever the purpose is to make a thorough examination of changes in prices, any table which gives only two numbers to represent the relative price-level at different dates is an inadequate device. The variety of the relative prices of different commodities on the same date; their dispersion over a wide or narrow range; their concentration around certain points or within certain limits; and the variety of changes which occur between two dates cannot be shown by such means. Taken by themselves, indeed, averages represented by single numbers may be positively misleading in the impressions which they give; and though this seldom happens in practice with price statistics, it is the rule that fuller information than averages give would make the investigation more fruitful. In brief, for the thorough study of price-movements a form of tables is required which represents the facts more adequately than does a series of averages; but which at the same time represents them in such a systematic form as to give distinct impressions.

After unsatisfactory experimenting with tables and surfaces of frequency, I devised for this purpose what may be called tables of deciles.<sup>5</sup> They give for each date the highest and lowest of the relative prices found among the series used, and also the points in the scale of relative prices which divide the whole number of series as nearly as may be into ten equal parts. These dividing points—the deciles—thus correspond in character to medians; indeed the fifth decile is the median. To determine the deciles for any date it is necessary (1) to make out a tally-sheet which has a scale of relative prices running from the lowest to the highest relative price appearing on that date; (2) to enter

<sup>5</sup> See "Methods of Presenting Statistics of Wages." *Quarterly Publications of the American Statistical Association*; December, 1905.

TABLE 3.

*Specimen of the tally-sheets used in finding the deciles of relative wholesale prices. Date, October, 1873.*

NOTE.—See the explanation on pp. 19, 21, 22.

Scale of relative prices	Number of series	Cumu- lative sums	Deciles	Scale of relative prices	Number of series	Cumu- lative sums	Deciles
58	1	1		120	4	32	
				1			
75				2	1	33	
6	1	2		3	1	34	
7				4	2	36	
8	2	4		5	1	37	4th d.
9				6	3	40	
80				7	2	42	
1				8	1	43	
2				9	1	44	
3				130	1	45	
4				1	2	47	Med.
5	1	5		2			
6	1	6		3	2	49	
7				4			
8				5			
9	1	7		6	1	50	
90				7	1	51	
1	2	9		8			
2	1	10	1st d.	9			
3				140			
4	1	11		1	1	52	
5	1	12		2	2	54	
6				3			
7				4			
8	1	13		5			
9				6	1	55	6th d.
100				7	1	56	
1				8	1	57	
2				9			
3	4	17		150	6	63	
4	2	19	2d d.	1	1	64	7th d.
5				2			
6	3	22		3	1	65	
7				4			
8				5			
9				6			
110	2	24		7			
1				8	2	67	
2	1	25		9			
3				160	1	68	
4	2	27		1	3	71	
5				2			
6	1	28	3d d.	3			
7				4			
8				5	1	72	
9				6			
				7	1	73	8th d.
				8	1	74	
				9			

TABLE 3—(CONCLUDED).

*Specimen of the tally-sheets used in finding the deciles of realtive wholesale prices. Date, October, 1873.*

Scale of relative prices	Number of series	Cumu- lative sums	Deciles	Division of whole number of series into tenths.
170				
1				
2				
3				
4	1	75		
5	1	76		.1= 9.1
6				.2=18.2
7	1	77		.3=27.3
8	1	78		.4=36.4
9				.5=45.5
180	1	79		.6=54.6
1				.7=63.7
2				.8=72.8
3	1	80		.9=81.9
4				1.0=91.0
5				
6				
7	1	81		Results: lowest rela-
8				tive price, the 9 de-
9				ciles, and highest
190				relative price.
1				
2				
3				Lowest 58
4				1st d. 92
5				2d d. 104
6	1	82	9th d.	3d d. 116
7				4th d. 125
8				Med. 131
9				6th d. 146
200	2	84		7th d. 151
218	1	85		8th d. 167
224	1	86		9th d. 196
				Highest 367
226	1	87		
7	1	88		
241	1	89		
250	1	90		
367	1	91		
No quo- tation for this date	1			

every series at its appropriate point in this scale of relative prices; (3) to cast cumulative sums showing the number of series at and below (or above) every point of this scale; (4) to divide

the number of the series used into successive tenths; (5) to mark off in the column of cumulative sums the points which contain these successive tenths, and (6) to write down the relative prices opposite these dividing points as the deciles. This process can be easily followed by examining the specimen tally sheet which is subjoined.

Most of the tables of deciles are supplemented by ordinary series of arithmetic means computed from the tally-sheets used for finding the deciles. The chief purpose in presenting these arithmetic means is to facilitate comparison with other tables of prices for the same or different years.

## *II.—Relative Prices of 92 Commodities at Wholesale: 1860-1880.*

The results of applying the methods described to the 92 series of relative prices at wholesale are presented in Table 4. The column headed "Number of series" shows for each date how many of the whole number of series have quotations on that date from which relative prices can be computed. Generally the number is less than 92, because many of the original sets of quotations are not complete for every quarter of every year. The other columns are to be interpreted after the following fashion: In January, 1865, of the 90 commodities for which relative prices are available one-tenth had relative prices ranging between 89 and 160, a second tenth had relative prices ranging between 160 and 176, a third tenth between 176 and 191, a fourth tenth between 191 and 200, etc.

On studying the table one finds that the wholesale price-fluctuations of 1860-1880 were characterized (1) by extraordinary diversity in the degree of rise and fall of different commodities, and (2) by a strongly marked upward trend culminating in January, 1865, and a strongly marked downward trend culminating in July, 1879. Both of these characteristics require analysis.

The extreme diversity in the price-movements of different commodities is shown by the wide intervals between the lowest and highest relative prices on each date. Some commodity had a relative price less than 100 on every date except January, 1866, and some commodity stood above 300 every date after 1861. The

TABLE 4.

*Relative wholesale prices of 92 commodities: by quarters, 1860–1880.*

NOTE.—Regarding interpretation, see explanation on p. 22; regarding method of construction, see p. 19 and Table 3.

Date	No. of Series	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1860												
Jan.	91	80	100	100	100	100	100	100	100	100	107	149
Apr.	91	81	95	98	100	100	100	100	103	109	115	142
July	92	75	89	95	96	99	100	100	100	103	113	136
Oct.	92	77	90	93	97	100	100	100	101	109	118	159
1861												
Jan.	91	74	83	89	94	97	100	100	103	108	117	155
Apr.	92	52	80	89	90	94	96	100	102	109	117	173
July	90	50	66	76	86	91	96	100	100	108	120	205
Oct.	92	60	75	83	90	94	97	100	103	111	125	363
1862												
Jan.	91	63	80	89	93	96	100	105	117	133	150	380
Apr.	92	70	80	90	93	95	100	103	117	127	149	370
July	92	52	75	88	91	98	100	106	117	127	167	640
Oct.	90	65	81	91	100	102	111	118	125	133	165	563
1863												
Jan.	88	75	93	100	109	117	125	132	143	159	193	625
Apr.	87	72	100	112	125	129	137	150	163	186	233	675
July	87	67	100	106	117	127	134	144	157	175	200	895
Oct.	88	67	100	112	120	129	135	141	150	170	200	773
1864												
Jan.	89	69	114	127	140	145	156	166	178	200	228	750
Apr.	88	75	124	133	151	161	169	178	198	212	261	960
July	88	89	139	157	167	181	194	200	221	266	308	1410
Oct.	88	94	147	166	174	194	200	217	237	263	337	1101
1865												
Jan.	90	89	160	176	191	200	216	241	256	272	318	1096
Apr.	89	94	133	150	162	179	190	200	212	240	270	796
July	90	79	105	128	138	150	158	171	189	207	252	759
Oct.	90	96	125	138	150	168	175	200	216	243	277	833
1866												
Jan.	92	100	122	135	154	170	182	200	209	232	277	824
Apr.	91	94	115	126	149	161	173	190	200	215	250	833
July	92	89	120	137	147	167	181	195	200	219	250	815
Oct.	91	93	123	137	150	158	173	181	199	212	263	880
1867												
Jan.	91	89	112	125	142	153	169	174	190	209	228	861
Apr.	91	89	110	125	141	154	166	175	197	207	228	648
July	91	86	107	119	136	147	150	164	180	202	233	870
Oct.	89	87	109	123	142	150	162	173	185	197	220	741
1868												
Jan.	91	85	100	119	132	150	158	170	187	200	225	787
Apr.	91	84	100	126	135	150	162	177	188	200	250	787
July	92	82	100	122	132	143	154	173	180	195	206	435
Oct.	91	88	105	121	138	150	159	173	179	196	221	500
1869												
Jan.	90	82	103	117	132	150	159	172	180	190	227	361
Apr.	92	81	108	125	135	146	159	172	180	196	220	377
July	91	73	100	117	134	141	158	167	178	187	200	361
Oct.	91	68	100	118	136	142	153	162	177	181	200	444

TABLE 4—(CONCLUDED).

*Relative wholesale prices of 92 commodities: by quarters, 1860-1880.*

Date	No. of Series	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1870												
Jan.	90	70	100	112	128	140	147	152	166	178	200	352
Apr.	92	67	100	106	123	132	140	147	159	174	200	367
July	92	67	98	108	123	127	132	144	161	179	200	380
Oct.	92	65	100	104	119	129	135	147	154	174	192	324
1871												
Jan.	92	60	94	105	119	127	133	141	154	171	189	343
Apr.	91	61	100	110	121	127	131	140	150	164	180	337
July	92	64	90	102	118	125	130	142	149	158	180	333
Oct.	92	64	97	111	118	125	129	142	150	162	182	361
1872												
Jan.	92	55	100	108	121	129	133	142	150	164	185	343
Apr.	90	55	93	105	120	130	140	150	159	171	200	324
July	92	55	90	104	117	125	130	144	152	169	198	330
Oct.	91	55	97	116	122	129	133	144	153	173	195	326
1873												
Jan.	92	55	92	110	124	129	135	145	153	164	194	361
Apr.	92	58	94	105	125	130	137	147	156	168	200	333
July	92	58	92	103	114	123	130	142	152	168	196	333
Oct.	91	58	92	104	116	125	131	146	151	167	196	367
1874												
Jan.	92	58	97	106	115	124	130	141	150	160	200	352
Apr.	92	58	95	106	116	122	129	140	150	170	200	346
July	92	58	95	106	111	118	130	139	146	166	199	352
Oct.	91	58	92	105	112	124	130	136	142	156	185	394
1875												
Jan.	92	67	93	103	110	121	127	133	147	160	193	359
Apr.	92	64	92	102	109	119	125	136	145	152	172	407
July	92	55	92	99	105	112	121	129	140	149	174	432
Oct.	92	45	89	99	106	110	120	129	137	150	162	426
1876												
Jan.	92	59	89	95	100	109	117	125	131	144	160	398
Apr.	92	61	85	95	103	106	115	125	131	144	159	394
July	92	64	79	91	98	104	110	117	123	137	156	391
Oct.	91	55	80	89	95	101	108	116	127	140	153	393
1877												
Jan.	92	61	78	89	100	107	114	124	129	138	160	393
Apr.	92	41	76	86	92	100	108	119	126	136	150	409
July	92	41	75	83	89	99	100	110	123	133	158	391
Oct.	92	41	76	83	88	96	102	112	120	128	137	396
1878												
Jan.	91	45	74	81	85	90	99	108	117	125	140	382
Apr.	91	36	67	76	80	85	96	100	113	125	142	378
July	91	36	67	72	77	85	90	97	102	109	132	378
Oct.	90	45	63	69	78	85	94	100	106	120	138	380
1879												
Jan.	91	46	57	68	76	83	88	94	107	124	142	370
Apr.	91	36	62	68	75	81	84	95	104	119	150	370
July	91	36	59	67	72	81	85	93	103	118	150	370
Oct.	90	36	64	75	80	86	95	102	110	123	144	380
1880												
Jan.	89	36	78	86	93	100	108	116	123	133	150	393
Apr.	90	36	74	87	94	102	107	112	122	140	164	382
July	90	36	69	79	87	95	102	108	117	126	150	385
Oct.	90	36	73	85	91	97	101	110	118	126	142	398

narrowest range after 1861 was 259 points in the scale of relative prices (October, 1870); the widest range was 1321 points (July, 1864, when cotton had a relative price of 1410); and the average range was 422.5 points. The extremely high and extremely low relative prices are shown, however, by but few commodities. Four-fifths of the list are distributed over an average range of 94.4 points—less than a quarter of the average extreme range:—and two-fifths over an average range of but 33.7 points. The average distribution of the whole number of series over the field covered by relative prices is shown by Table 5. The diversity in the

TABLE 5.

*Average distribution of 92 series of relative wholesale prices over the field covered by price fluctuations: from 1860 to 1880.*

NOTE.—Regarding interpretation of this table, see pp. 22 and 25.

*Average number of points in the scale of relative prices between*

Lowest relative prices and 1st deciles	30.1
1st and 2d deciles	10.2
2d and 3d deciles	9.6
3d and 4th deciles	8.6
4th deciles and medians	7.4
Medians and 6th deciles	9.3
6th and 7th deciles	8.4
7th and 8th deciles	15.3
8th and 9th deciles	25.6
9th deciles and highest relative prices	298.0
Lowest and highest relative prices	422.5

price-fluctuations of different commodities is also shown by the fact that in no case do all the deciles move up or down in the same degree, and in few cases—especially after 1865—do all agree even in the direction in which they move. Usually when the majority of the deciles are rising one or two are found falling, and *vice versa*.

Despite all these diversities in the fluctuations of different commodities there is no mistaking a general trend in the direction and, to a less extent, in the degree in which the deciles move from date to date. Prices were fairly constant throughout 1860, but fell sharply in the spring and summer of 1861, apparently because of the unsettled business conditions due to the secession



of the Southern States and the prospect of civil war. Towards autumn a reaction began, probably initiated by large government purchases of supplies. The upward movement continued through 1862, save for a slight backset in April, and through the first quarter of 1863, the chief cause probably being the advance in the premium on gold—itsself due to the decline in the community's valuation of the irredeemable paper dollars in which prices were quoted. It will be noticed that the median did not rise above 100 until October, 1862, though the other deciles indicate a strong forward movement as early as January. The financial successes of the spring of 1863 and the military successes of July caused a great appreciation in the value attributed to the government's notes and\*produced a slight fall in prices; but this improvement was only temporary. Prices started upward again late in 1863, rose rapidly throughout 1864 and reached their maximum in January, 1865, when 59 out of 90 commodities—almost two-thirds—were quoted at double or more than double the prices of five years before. Even during this period of most rapid advance, however, the upward movement of prices was not without exceptions:—the 8th decile shows a decline from July to October, 1864, and the 9th from October, 1864, to January, 1865.

The end of the war brought a fall of prices almost without a parallel in violence and generality. The median declined from 216 in January, 1865, to 158 in July, and all the other deciles went down with it, the smallest decline being 48 points (the 2d decile). This fall was followed by a reaction in the second half of the year which carried prices in January, 1866, back about to the level of April, 1864. From this time on until the autumn of 1871 the general trend of prices was strongly downward, though the fall was by no means uniform and was interrupted by several temporary reactions. The lively speculative movement of the early 70's, which caused so sharp a rise in English and German prices,<sup>a</sup> interrupted this fall in the United States, though the advances scored in 1872 and the first part of 1873 were irregular. After the great crisis of the autumn of 1873, prices began to fall again—slowly at first, more rapidly after 1874. In January,

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<sup>a</sup> See Tables 6, 7, 8, 10, 11, and 12 below.

1878, the median dipped below 100 for the first time since 1861, and the fall continued until the middle of 1879. The lowest point touched by the median was 84 in April, but comparisons of the other deciles show that the range of prices was on the whole somewhat lower in the following July.

This great fall of prices between January, 1865, and July, 1879, was coincident with irregular appreciation in the specie value of the paper dollar—an appreciation which reached its limit with the resumption of specie payments, January 1, 1879. During these 14 years all the gain in prices made during the four years of war was lost, and something more. The final movement of the price-level which the table shows, was due to a cause quite unconnected with the currency—namely, the European crop failures of 1879—and can be discussed better in a later section of this chapter dealing with the prices of farm products.<sup>7</sup>

### *III.—Relative Prices in the United States and Foreign Countries.*

When two countries have similar monetary systems and important business relations with each other, the movements of their price-levels as represented by index numbers are found to agree rather closely. This agreement is so strong that similarity of movement is usually found even when comparisons are made with materials so crude as index numbers compiled from unlike lists of commodities and computed on the basis of actual prices in different years. It is therefore a highly significant fact that the movements of the price-level in the United States during the years of the paper standard were almost wholly unlike the contemporary movements of the price-level in England and Germany.

To facilitate comparisons between the movements of the price-levels in these three countries, Professor Falkner had Sauerbeck's English table, and Soetbeer's German table recomputed on the basis of his own American table—namely, actual prices in 1860 = 100.<sup>8</sup> The results—reproduced in Table 6—show a general agreement between the English and German index numbers and marked differences between both of these index numbers and the

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<sup>7</sup> See Sec. vi, p. 48, below.

<sup>8</sup> Aldrich Report, Part I, pp. 255 and 295.

TABLE 6.

*Falkner's index number for the United States, Sauerbeck's for England, and  
Soetbeer's for Germany, on the basis, actual prices in  
1860 = 100: 1860-1891.*

From the *Aldrich Report*, Part i, pp. 91, 255, 295.

Years	United States	England	Germany
1860	100.0	100.0	100.0
1861	100.6	99.6	97.6
1862	117.8	105.5	101.4
1863	148.6	109.3	103.7
1864	190.5	112.3	106.9
1865	216.8	105.8	101.4
1866	191.0	106.5	104.0
1867	172.2	103.9	102.9
1868	160.5	103.1	100.8
1869	153.5	101.9	102.0
1870	142.3	100.3	101.6
1871	136.0	102.6	105.0
1872	138.8	112.5	112.1
1873	137.5	116.6	114.3
1874	133.0	107.0	112.6
1875	127.6	100.3	107.3
1876	118.2	97.5	106.1
1877	110.9	97.4	105.6
1878	101.3	91.2	99.7
1879	96.6	86.7	96.8
1880	106.9	91.8	100.8
1881	105.7	88.5	100.1
1882	108.5	88.0	101.0
1883	106.0	86.0	101.0
1884	99.4	79.3	94.4
1885	93.0	75.4	89.9
1886	91.9	72.4	86.0
1887	92.6	70.7	84.3
1888	94.2	73.9	84.3
1889	94.2	76.7	87.7
1890	92.3	76.0	89.4
1891	92.2	75.4	90.3

American index numbers during the period of the greenback standard. These differences are greatest during the years of high premiums on gold and decline with the premium as the date of resumption is approached. After resumption, indeed, the figures indicate a closer agreement between relative prices in the United States and Germany than between relative prices in England and

Germany; but this result may be due chiefly to the closer similarity of the American and German list of commodities.

To show more fully the peculiarity of the American price-fluctuations during the period of the paper standard, I have compiled tables of deciles from Sauerbeck's and Soetbeer's series re-computed on the basis of prices in 1860. The rough comparison which can be made between these tables—7 and 8—and the similar table for the United States—4—suffices to show that the American movement was unlike the European not only in net effect, but also in range and distribution of fluctuations. This fact is brought out more clearly by Table 9, which shows the averages of the several deciles in each of the tables and the average intervals between them. Such an exhibit would possess little significance were the American deciles sometimes above and sometimes below the corresponding foreign deciles; but since they are

TABLE 7.

*Relative wholesale prices in England: by years, 1860–1880.*

Sauerbeck's series changed to the basis: actual prices in 1860 = 100.

NOTE.—See explanations regarding Table 4, on pp. 22 and 19.

Date.	No. of Series	Lowest rel. price	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
1860	43	100	100	100	100	100	100	100	100	100	100	100
1861	43	83	90	92	94	97	98	100	101	104	108	137
1862	43	81	88	90	93	95	96	98	102	109	115	276
1863	43	71	83	84	88	91	94	95	98	108	124	385
1864	43	68	75	81	83	95	96	98	105	108	127	440
1865	43	65	79	81	87	92	98	102	106	116	119	304
1866	43	63	81	85	91	95	100	105	110	114	122	248
1867	43	64	81	87	90	96	100	107	115	118	122	175
1868	43	71	82	85	88	94	99	107	112	115	120	170
1869	43	68	82	88	89	91	99	102	107	110	119	195
1870	43	68	82	84	86	90	95	102	109	112	123	163
1871	43	73	80	85	92	96	102	106	113	117	126	152
1872	43	79	83	92	96	102	107	112	120	127	156	190
1873	43	74	86	93	99	104	107	112	124	133	146	231
1874	43	72	78	83	95	100	103	107	118	122	133	190
1875	43	64	78	83	86	91	97	102	117	118	128	147
1876	43	57	78	81	85	90	94	100	109	119	124	139
1877	43	52	78	84	87	94	98	103	107	110	117	139
1878	43	47	71	76	80	86	88	93	100	108	117	141
1879	43	56	66	69	75	84	89	93	96	102	107	118
1880	43	63	68	74	76	88	90	98	105	111	116	118

TABLE 8.

*Relative wholesale prices in Germany: by years, 1860-1880.*

Soetbeer's series changed to the basis: actual prices in 1860 = 100.

NOTE.—See explanations regarding Table 4, on pp. 22 and 19.

Date.	No. of Series	Lowest rel. price	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
1860	114	100	100	100	100	100	100	100	100	100	100	100
1861	114	65	85	90	95	97	99	100	102	106	113	160
1862	114	52	79	88	93	95	99	100	107	112	117	450
1863	114	59	78	83	91	93	98	101	107	117	132	510
1864	114	50	75	83	90	95	100	106	111	117	137	570
1865	114	50	77	83	87	93	100	104	110	119	133	280
1866	114	50	75	88	94	99	104	107	114	122	136	255
1867	114	50	78	85	91	99	102	108	114	124	133	196
1868	114	50	73	83	93	97	103	108	115	122	136	169
1869	114	50	73	83	95	100	105	110	116	121	131	187
1870	114	56	75	87	94	99	103	109	112	118	130	168
1871	114	64	77	91	97	101	105	110	115	122	133	190
1872	114	62	88	96	100	106	112	115	120	130	148	210
1873	114	55	79	94	100	107	113	119	131	140	159	229
1874	114	58	82	89	98	103	108	117	123	132	150	294
1875	114	54	74	83	93	100	108	116	120	129	142	213
1876	114	52	74	86	91	100	106	111	118	128	141	199
1877	114	50	68	84	94	100	106	112	118	127	139	213
1878	114	47	68	76	89	92	98	104	110	122	135	213
1879	114	45	65	75	86	89	93	100	108	119	133	193
1880	114	42	66	76	88	94	100	105	112	121	139	196

TABLE 9.

*Ranges covered by fluctuations of relative wholesale prices in the United States, England, and Germany from 1860-1880, as shown by Tables 4, 7, and 8.*

NOTE.—See the explanations on pp. 29 and 31.

	Table 4 United States	Table 7 England	Table 8 Germany
<i>Averages of the</i>			
Lowest relative prices	64.9	68.5	55.3
1st deciles	95.0	80.4	76.6
2d deciles	105.2	84.6	85.9
3d deciles	114.8	88.6	93.3
4th deciles	123.4	93.8	98.0
Medians	130.8	97.6	102.9
6th deciles	140.1	102.0	107.7
7th deciles	148.5	108.3	113.5
8th deciles	163.8	113.4	121.3
9th deciles	189.4	122.3	134.3
Highest relative prices	487.4	198.0	247.3
<i>Average intervals between</i>			
Lowest relative prices and 1st deciles	30.1	11.9	21.3
1st and 2d deciles	10.2	4.2	9.3
2d and 3d deciles	9.6	4.0	7.4
3d and 4th deciles	8.6	5.2	4.7
4th deciles and Medians	7.4	3.8	4.9
Medians and 6th deciles	9.3	4.4	4.8
6th and 7th deciles	8.4	6.3	5.8
7th and 8th deciles	15.3	5.1	7.8
8th and 9th deciles	25.6	8.9	13.0
9th deciles and highest relative prices	298.0	75.7	113.0
Lowest and highest relative prices	422.5	129.5	192.0

above almost all the time the table has a certain value as expressing the broad differences between American and foreign conditions. The comparisons between the English and German price-movements suggested by the table, however, must be made with many reservations, because in this case the differences are sometimes in favor of one country, sometimes in favor of the other.

A more accurate, though narrower, basis for comparison may be had by compiling price-tables for identical lists of commodities. For 27 of the commodities used by Sauerbeck, and for 46 of the commodities used by Soetbeer, substantially similar American quotations can be obtained by using averages of four quarterly quotations as average prices for the year. The relative prices for all these pairs of commodities are shown in the appendix, and the general results are shown by Tables 10 and 11. The same method is applied in Table 12 to show the close similarity in the fluctuations of English and German prices. This table is compiled from the relative prices of 31 commodities which appear in

TABLE 10.

*Relative wholesale prices of identical lists of 27 commodities in the United States and England: by years, 1860-1880.*

NOTE.—See the explanations regarding Table 4, on pp. 22 and 19.

Year	1st deciles		Medians		9th deciles		Arithmetic means	
	U.S.	Eng.	U.S.	Eng.	U.S.	Eng.	U.S.	Eng.
1860	100	100	100	100	100	100	100	100
1861	77	87	91	98	104	107	92	98
1862	76	83	105	95	146	116	115	102
1863	99	79	140	91	220	116	160	103
1864	136	72	194	95	262	124	223	106
1865	105	77	171	92	243	119	190	102
1866	100	77	160	98	264	122	172	103
1867	109	75	160	103	219	124	159	102
1868	101	75	166	99	231	118	166	100
1869	103	70	142	100	221	111	155	97
1870	94	72	134	94	172	114	134	96
1871	93	78	129	99	172	117	133	100
1872	96	83	140	105	196	169	139	111
1873	90	88	134	106	183	156	136	116
1874	99	83	125	101	176	128	132	106
1875	93	81	117	98	162	123	123	99
1876	88	77	105	93	146	122	109	96
1877	80	74	104	98	145	116	108	97
1878	71	71	97	89	129	116	95	91
1879	65	68	95	89	130	109	95	87
1880	74	66	109	93	132	113	106	92

TABLE 11.

*Relative wholesale prices of identical lists of 46 commodities in the United States and Germany: by years, 1860-1880.*

NOTE.—See the explanations regarding Table 4, on pp. 22 and 19.

Year	1st deciles		Medians		9th deciles		Arithmetic means	
	U.S.	Ger.	U.S.	Ger.	U.S.	Ger.	U.S.	Ger.
1860	100	100	100	100	100	100	100	100
1861	78	86	93	99	109	113	93	99
1862	76	79	102	96	163	127	122	102
1863	101	77	131	93	235	126	155	102
1864	136	72	186	94	282	117	224	102
1865	132	70	184	93	297	122	204	98
1866	116	72	160	100	261	136	177	102
1867	109	73	162	101	219	131	166	102
1868	113	73	171	100	231	125	172	100
1869	113	73	166	100	208	121	163	99
1870	95	75	138	100	185	117	143	100
1871	101	76	135	102	186	131	139	104
1872	100	83	141	109	192	156	142	113
1873	92	79	137	114	187	176	140	121
1874	103	77	132	107	183	144	137	114
1875	93	73	119	107	174	133	130	107
1876	83	73	108	106	162	133	117	106
1877	78	69	107	103	146	129	112	104
1878	65	68	94	93	135	124	96	97
1879	62	65	91	91	137	129	95	93
1880	67	65	106	97	143	125	109	98

TABLE 12.

*Relative wholesale prices of identical lists of 31 commodities in England and Germany: by years, 1860-1880.*

NOTE.—See the explanations regarding Table 4, on pp. 22 and 19.

Years	1st deciles		Medians		9th deciles		Arithmetic means	
	England	Germany	England	Germany	England	Germany	England	Germany
1860	100	100	100	100	100	100	100	100
1861	88	85	98	100	108	109	99	99
1862	84	83	96	96	112	116	103	102
1863	80	78	92	93	112	120	104	105
1864	74	77	95	96	117	116	104	107
1865	77	77	92	93	117	114	100	98
1866	77	76	98	104	117	126	102	105
1867	75	81	103	104	120	130	101	106
1868	75	75	99	103	120	127	100	104
1869	73	77	96	100	113	123	98	103
1870	74	77	94	97	114	120	96	101
1871	81	76	96	102	118	128	99	105
1872	83	90	104	108	127	156	109	116
1873	83	79	106	111	146	176	113	119
1874	74	77	100	106	128	146	103	110
1875	74	76	96	95	123	129	98	105
1876	79	74	96	95	123	131	96	103
1877	74	69	97	104	117	126	95	104
1878	67	70	87	96	110	122	89	98
1879	63	66	84	89	101	129	84	94
1880	66	65	89	91	111	125	89	96







both Sauerbeck's and Soetbeer's lists. These tables make it clear that the wide differences shown by Tables 4, 6, 7, and 8 between American and European price-fluctuations from 1862 to 1878 are not due to differences in the character and the number of the commodities included in Falkner's, Sauerbeck's and Soetbeer's tables. The close agreement between the English and German figures of Table 12 leave small room to doubt that the differences between the American and English figures of Table 10, and between the American and German figures of Table 11, must be ascribed mainly to the influence of the paper standard of value.\*

#### *IV.—Relative Prices of Commodities and of Gold.*

One of the questions of deep interest regarding the price-fluctuations of the paper standard period is the degree of their correspondence with the fluctuations in the price of gold. Table 13 is arranged to facilitate a comparison. One set of columns gives the wholesale price figures of Table 4, side by side with

TABLE 13.

*Relative wholesale prices of commodities in the United States and the price of gold: by quarters, 1862–1878.*

NOTE.—See the explanations of method of construction on pp. 33 and 39.

	1862.							
	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	63		70		52		65	
1st decile	80		80		75		81	
2d decile	89		90		88		91	
3d decile	93		93		91		100	
4th decile	96		95		98		102	
Median	100	100.5	100	101.5	100		111	
		102.5		101.5				
6th decile	105	105	103	102.3	106	108.8	118	122
7th decile	117		117		117	115.5	125	128.5
8th decile	133		127		127	120.1	133	133.5
9th decile	150		149		167		165	
Highest	380		370		640		563	

\* In such small groups as those used here the median is a rather erratic form of average, because it is frequently controlled within limits of several points by the fluctuations of some one or two commodities whose relative prices happen to fall in the middle of the list. The arithmetic mean is also erratic, particularly for the years of the war, because it is so much influenced by cases of extraordinary advance in price, such as that presented by cotton.

TABLE 13—(CONTINUED).

*Relative wholesale prices of commodities in the United States and the price of gold: by quarters, 1862-1878.*

1863.								
	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	75		72		67		67	
1st decile	93		100		100		100	
2d decile	100		112		106		112	
3d decile	109		125		117		120	
4th decile	117		129		127	123.3	129	
						130.6		
Median	125		137		134		135	
				145.5				
6th decile	132	133.6	150	151.5	144	145	141	140.4
7th decile	143	145.1	163	157.9	157		150	147.7
8th decile	159	160.8	186		175		170	156.8
9th decile	193		233		200		200	
Highest	625		675		895		773	

1864.								
	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	69		75		89		94	
1st decile	114		124		139		147	
2d decile	127		133		157		166	
3d decile	140		151		167		174	
4th decile	145		161		181		194	189.0
		151.5		166.3				
Median	156	155.5	169		194		200	
		159.4		172.7				207.2
6th decile	166		178	184.8	200		217	
7th decile	178		198		221	222.0	237	227.8
8th decile	200		212		266	258.1	263	
9th decile	228		261		308	285.0	337	
Highest	750		960		1410		1101	

1865.								
	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	89		94		79		96	
1st decile	160		133	144.0	105		125	
2d decile	176		150	148.5	128	138.8	138	144.1
3d decile	191		162	153.6	138	142.1	150	145.5
4th decile	200	198.1	179		150	146.0	168	149.0
Median	216	216.2	190		158		175	
		233.8						
6th decile	241		200		171		200	
7th decile	256		212		189		216	
8th decile	272		240		207		243	
9th decile	318		270		252		277	
Highest	1096		796		759		833	

TABLE 13—(CONTINUED).

*Relative wholesale prices of commodities in the United States and the price of gold: by quarters, 1862-1878.*

1866.								
	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	100		94		89		93	
1st decile	122	136.8	115	125.4	120		123	
2d decile	135	140.1	126	127.3	137	147.0	137	145.4
3d decile	154	144.6	149	129.5	147	151.6	150	148.3
4th decile	170		161		167	155.8	158	154.4
Median	182		173		181		173	
6th decile	200		190		195		181	
7th decile	209		200		200		199	
8th decile	232		215		219		212	
9th decile	277		250		250		263	
Highest	824		833		815		880	

1867.								
	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	89		89		86		87	
1st decile	112		110		107		109	
2d decile	125	132.0	125	132.6	119	138.0	123	140.3
3d decile	142	134.6	141	135.6	136	139.4	142	143.5
4th decile	153	137.9	154	142.0	147	140.8	150	145.6
Median	169		166		150		162	
6th decile	174		175		164		173	
7th decile	190		197		180		185	
8th decile	209		207		202		197	
9th decile	228		228		233		220	
Highest	861		648		870		741	

1868.								
	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	85		84		82		88	
1st decile	100		100		100		105	
2d decile	119	133.3	126	137.8	122		121	133.8
3d decile	132	138.5	135	138.7	132	140.1	138	137.1
4th decile	150	142.3	150	140.4	143	142.7 145.3	150	140.5
Median	158		162		154		159	
6th decile	170		177		173		173	
7th decile	187		188		180		179	
8th decile	200		200		195		196	
9th decile	225		250		206		221	
Highest	787		787		435		500	

TABLE 13—(CONTINUED).

*Relative wholesale prices of commodities in the United States and the price of gold: by quarters, 1862-1878.*

1869.								
	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	82		81		73		68	
1st decile	103		108		100		100	
2d decile	117	134.6	125	131.3	117	134.0	118	128.1
3d decile	132	135.6	135	132.9	134	136.1	136	130.2
4th decile	150	136.9	146	134.8	141	137.9	142	132.0
Median	159		159		158		153	
6th decile	172		172		167		162	
7th decile	180		180		178		177	
8th decile	190		196		187		181	
9th decile	227		220		200		200	
Highest	361		377		361		444	

1870.								
	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	70		67		67		65	
1st decile	100		100	111.5	98		100	
2d decile	112	119.4	106	113.1	108	111.1	104	111.1
3d decile	128	121.3	123	115.6	123	116.8	119	112.8
4th decile	140	123.3	132		127	122.8	129	114.3
Median	147		140		132		135	
6th decile	152		147		144		147	
7th decile	166		159		161		154	
8th decile	178		174		179		174	
9th decile	200		200		200		192	
Highest	352		367		380		324	

1871.								
	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	60		61		64		64	
1st decile	94	110.5	100	110.1	90		97	111.5
2d decile	105	110.7	110	110.6	102	111.8	111	113.2
3d decile	119	111.3	121	111.8	118	112.4	118	115.0
4th decile	127		127		125	113.8	125	
Median	133		131		130		129	
6th decile	141		140		142		142	
7th decile	154		150		149		150	
8th decile	171		164		158		162	
9th decile	189		180		180		182	
Highest	343		337		333		361	

TABLE 13—(CONTINUED).

*Relative wholesale prices of commodities in the United States and the price of gold: by quarters, 1862-1878.*

1872.								
	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	55		55		55		55	
1st decile	100	108.5	93	109.9	90		97	112.3
2d decile	108	109.1	105	111.1	104	113.4	116	113.2
3d decile	121	110.1	120	113.3	117	114.3	122	115.3
4th decile	129		130		125	115.3	129	
Median	133		140		130		133	
6th decile	142		150		144		144	
7th decile	150		159		152		153	
8th decile	164		171		169		173	
9th decile	185		200		198		195	
Highest	343		324		330		326	

1873.								
	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	55		58		58		58	
1st decile	92	111.6	94		92		92	107.6
2d decile	110	112.7	105	116.8	103	115.0	104	108.9
3d decile	124	114.3	125	117.8	114	115.7	116	111.3
4th decile	129		130	119.1	123	116.4	125	
Median	135		137		130		131	
6th decile	145		147		142		146	
7th decile	153		156		152		151	
8th decile	164		168		168		167	
9th decile	194		200		196		196	
Highest	361		333		333		367	

1874.								
	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	58		58		58		58	
1st decile	97		95		95		92	
2d decile	106	110.1	106	111.8	106	109.0	105	109.8
3d decile	115	111.4	116	113.4	111	110.0	112	110.0
4th decile	124	112.1	122	114.4	118	110.8	124	110.4
Median	130		129		130		130	
6th decile	141		140		139		136	
7th decile	150		150		146		142	
8th decile	160		170		166		156	
9th decile	200		200		199		185	
Highest	352		346		352		394	

TABLE 13—(CONTINUED).

*Relative wholesale prices of commodities in the United States and the price of gold: by quarters, 1862-1878.*

	1875.							
	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	67		64		55		45	
1st decile	93		92		92		89	
2d decile	103	111.8	102		99		99	
3d decile	110	112.5	109	114.0	105	111.8	106	
4th decile	121	113.4	119	114.8	112	114.8	110	114.5
				115.8		117.3		116.4
Median	127		125		121		120	117.6
6th decile	133		136		129		129	
7th decile	147		145		140		137	
8th decile	160		152		149		150	
9th decile	193		172		174		162	
Highest	359		407		432		426	

	1876.							
	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	59		61		64		55	
1st decile	89		85		79		80	
2d decile	95		95		91		89	
3d decile	100		103		98		95	
4th decile	109	112.4	106	112.5	104		101	
		112.8		113.0				
Median	117	113.3	115	113.8	110	111.4	108	108.9
						111.9		109.7
6th decile	125		125		117	112.5	116	113.3
7th decile	131		131		123		127	
8th decile	144		144		137		140	
9th decile	160		159		156		153	
Highest	398		394		391		393	

	1877.							
	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	61		41		41		41	
1st decile	78		76		75		76	
2d decile	89		86		83		83	
3d decile	100	105.3	92		89		88	
4th decile	107	106.3	100	104.8	99		96	
		107.1		106.2				102.5
Median	114		108	107.9	100	105.1	102	102.8
						105.4		103.4
6th decile	124		119		110	106.1	112	
7th decile	129		126		123		120	
8th decile	138		136		133		128	
9th decile	160		150		158		157	
Highest	393		409		391		396	

TABLE 13—(CONCLUDED).

*Relative wholesale prices of commodities in the United States and the price of gold: by quarters, 1862-1878.*

	1878.							
	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	45		36		36		45	
1st decile	74		67		67		63	
2d decile	81		76		72		69	
3d decile	85		80		77		78	
4th decile	90		85		85		85	
Median	99	101.3	96		90		94	
		102.1		100.1				100.3
6th decile	108	102.8	100	100.6	97	100.4	100	100.5
7th decile	117		113	101.3	102	100.5	106	101.9
8th decile	125		125		109	100.8	120	
9th decile	140		142		132		138	
Highest	382		378		378		380	

another set giving the corresponding lowest, highest and average prices of gold from Table 2. The average price of gold for each month is entered opposite the decile which it most nearly equals, and the lowest and highest monthly prices are placed as best may be on either side of the average. Thus the vertical position of the entries in the columns for gold indicates roughly whether on any date gold stood above or below the majority of commodities in relative price. There is, of course, no objection to this comparison between the actual prices of gold and the relative prices of commodities: for since the price of gold in currency was 100 before suspension, its later actual prices may be regarded as relative prices computed on the basis: actual price in 1860 = 100.

A fuller presentation of the data for gold and commodities is supplied in graphic form by Chart III. The lines running across the chart show the fluctuations of the deciles and of the highest and lowest relative prices at wholesale by quarters. The vertical lines show the extreme range of the gold quotations by months.

The table and the chart make it clear that the fluctuations in the price of gold, which attracted so much attention, were much more moderate than the extreme fluctuations in the prices of commodities. The gold quotations lay all the time well within the



outer limits of the field covered by the variations of commodity prices. If attention be confined to the average prices of gold in the months for which we have commodities quoted, it appears that every quarter more than a fifth of our 92 commodities had relative prices higher than gold, and that every quarter but two—April, 1865 and October, 1872—more than a fifth of the commodities had lower relative prices than gold. If the extreme prices of gold be taken, one more quarter is found when the price of gold was lower than the 2d decile—April, 1866—and three cases appear when the highest price of gold rose above the 8th decile—October, 1862, January, 1863, and July, 1864. There is no exception to the rule that the gold quotations lay always inside the 1st and 9th deciles;—in other words that more than one-tenth of the commodities had lower relative prices than gold and more than a tenth had higher relative prices.<sup>10</sup>

But the limits set by the 1st and 9th deciles—or even the 2d and 8th—are wide, and it is interesting to examine the fluctuations of gold within these limits more closely. During the war gold moved up or down in price more quickly than the mass of commodities—probably because the market for gold was more highly organized and more sensitive than the markets for other goods to the many influences touching the credit of the government-notes which formed the money in which all prices were quoted. When gold was rising in price the majority of commodities followed, but more slowly, and its price therefore advanced above the median, and sometimes, as has been seen, stood briefly above the 8th decile. When gold was falling in price the majority of commodities stood still or followed more slowly, and the gold quotation then dropped below the median, and sometimes even below the 2d decile.

This more sluggish movement of commodity prices appears still more clearly after the war. Rapid as was the fall of prices in the spring of 1865, it was not so rapid as the fall in gold. A more curious fact is that the price-level for commodities continued for ten years to be rather higher than the price-level for gold. From April, 1865 to April, 1875 the median of relative prices was

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<sup>10</sup> On the use of "decile," see p. 19 above.





always higher than the highest quotation for gold in January, April, July or October, and on only one date—July, 1868—did gold touch even the 4th decile. On the whole, the average gold quotations correspond more nearly with the 3d than with any other decile during this period. From 1875 to the end of 1878, however, commodity prices fell on the whole faster than gold, so that the average gold quotation stood for a time above the 4th decile, then above the median, and finally above the 6th decile.

It was shown in Chapter I that the history of the gold premium is divided into four well-marked periods. The first of these periods—1862 to April, 1865—is also a natural subdivision of the history of prices. But the same is hardly true of the later periods. Prices declined with tolerable consistency from 1866 to 1869, while gold, despite continual ups and downs, maintained substantially the same general level. Again, the last three months of 1869 and the first two months of 1870 marked a turning-point in the price of gold, but not in the prices of commodities. After February, 1870 gold fluctuated about a much lower level than that of 1866 to 1869, but without making any substantial further decline until 1876. Commodity prices, however, after a slight and irregular rise in the early 70's, resumed their downward trend, and stood considerably lower by the close of 1875 than they had stood in 1870. Finally, the almost unbroken fall of gold from March, 1876, to December, 1878 was accompanied by a fall of prices, but one considerably greater in degree, and this fall appears to be but a continuation of the decline which had begun definitely in 1875. The most important turning points in the history of prices after the war, in brief, are not those of gold—the close of 1869 and the beginning of 1876—but the speculative movements of 1872, the crisis of 1873, and the harvests of 1879.

The tables of the preceding section, showing the wide differences between the relative prices of identical lists of commodities in the United States and England and in the United States and Germany, support the conclusions (1) that the chief cause of the extraordinary advance in American prices between 1862 and 1865 was the substitution of irredeemable paper for specie as the money in which prices were quoted, and (2) that the chief cause of the fall in American prices between 1865 and 1879 was the unsteady

appreciation in the specie value of the paper dollar. These conclusions are not inconsistent with the various differences which have just been pointed out between the fluctuations of commodity prices and prices of gold. These differences serve only to emphasize the fact that many other causes besides the varying value attributed by the community to the government's notes exercised an influence upon the prices of single commodities and upon the price-level as a whole. It does not lie within the scope of this book to inquire what these other causes were; but the tables given, while indicating their presence, also indicate their secondary importance.<sup>11</sup>

*V.—Relative Prices on the Dates of Maximum and Minimum Prices.*

Though Table 4 represents the extraordinary fluctuations in prices during the period of the greenback standard much more fully than a table of arithmetic means, it does not present all the details shown by the material used. To do so it would be necessary to publish the 84 tally-sheets from which the table of deciles was compiled, each tally-sheet elaborated by writing the names of the 92 commodities at the proper points in the scale of relative prices. But though so full a presentation is not feasible, it is feasible to present such elaborated tally-sheets for the date when prices reached their highest point, January, 1865 and when they reached their lowest point during the subsequent decline. July, 1879—six months after resumption of specie payments.

In the first of these tables the prominence of southern materials and their products among the commodities which show the greatest advance in prices attracts attention—rice, tobacco, molasses, tar, turpentine, cotton, and cotton textiles. Associated with them are a few commodities of which the government was purchasing large amounts—quinine and lead—, or on which the rate of taxation was exceptionally heavy—alcohol. But the cases are not numerous in which the explanation of the divergencies from the general trend occur at once to one who has not made a special study of the demand and supply of the commodities

<sup>11</sup> Discussion of the reasons why wholesale prices corresponded in general with the fluctuations of the premium and also why the correspondence was not closer, is reserved for the last chapter.

TABLE 14.

*Relative wholesale prices of 92 commodities in January, 1865, and comparison with their relative prices in July, 1879.*

NOTE.—See the explanations on pp. 42 and 45.

Relative prices Jan., 1865	Deciles	Relative prices July, 1879	Rank July, 1879, by groups	Commodities
89		69	3	Raw silk
122		83	5	Opium
133		100	7	Chestnut lumber in log
140		95	7	Crackers—Boston
143		55	1	Bichromate of potash
148		59	1st d.	Candles
148		102	7	Hides
150		67	2d d.	Muriatic acid
160	1st d.	100	7	Cement
163		125	9	Kitchen tables
164		76	4	Tubs
171		91	6	Leather
173		79	4	Beans
173		36	1	Sulphuric acid
174		80	4	Chairs
176		103	7th d.	Corn-starch
176		59	1st d.	Tallow
176	2d d.	95	7	Wheat
180		70	3	Pails
180		115	8	Powder-rifle
182		103	7th d.	Beef
183		83	5	Putty
184		82	5	Shovels
185		116	8	Beeves
188		125	9	Ship-biscuit
190		140	9	Mutton
191	3d d.	90	6	Sheep
192		58	1	Blue vitriol
192		144	9	Spruce boards
195		59	1st d.	Lard
196		164	10	Pine boards
200		48	1	Dried apples
200		183	9	Hemlock lumber in log
200		72	3d d.	Oxide of zinc
200		150	9th d.	Pine lumber in log
200	4th d.	73	4	Wool
203		76	4	Rye
205		103	7th d.	Starch
208		208	10	Matches
209		69	3	Copper—ingot.
211		83	5	Brick
212		60	2	Corn meal
212		62	2	Pork—salt-mess.
213		88	6	Rye flour
216	Med.	57	1	Wood screws

TABLE 14—(CONCLUDED).

*Relative wholesale prices of 92 commodities in January, 1865, and comparison with their relative prices in July, 1879.*

Relative prices Jan., 1865	Deciles	Relative prices July, 1879	Rank July, 1879, by groups	Commodities
218		125	9	Rubber
220		81	4th d.	Copper-sheet
222		53	1	Brimstone
224		61	2	Timothy seed
225		50	1	Cheese
238		88	6	Copperas
239		118	8th d.	Barley
241		124	9	Flaxseed
241	6th d.	166	10	Potatoes
243		117	8	Rope
245		85	Med.	Window glass
250		74	4	Butter
250		150	9th d.	Lime
251		71	3	Mercury
252		71	3	Coal—anthracite
252		72	3d d.	Eggs
254		60	2	Raisins
256	7th d.	83	5	Alum
256		90	6	Coal—bituminous
256		77	4	Quicksilver
257		60	2	Corn
261		92	6	Oats
264		74	4	Iron wire
265		86	6	Sugar
267		111	8	Carpets
267		71	3	Hogs
272	8th d.	112	8	Linseed oil
274		63	2	Soda ash
282		150	9	Rice
285		170	10	Tobacco
287		82	5	Molasses
287		127	9	Salt
294		*	*	Soap—castile
295		309	10	Quinine
309		63	2	Butts
318	9th d.	84	5	Clover-seed
337		93	6th d.	Lead
342		67	2d d.	Currants
388		150	9th d.	Codfish
400		90	6	Tar
473		116	8	Sugar of lead
513		69	3	Turpentine
515		82	5	Cotton textiles
815		370	10	Alcohol
1096		114	8	Cotton

\* No quotation for July, 1879.

No quotations for milk and wheat flour for January, 1865.

represented. Indeed, there are cases which contradict casual expectations. Wool, which might be expected to show a large advance in view of the scarcity of cotton and large government purchases of uniforms, has a relative price less than the median; “powder—rifle,” which might be expected to show the influence of the great consumption of gunpowder, ranks below the 3d decile. More important is the observation that, excepting the cases already noted, there is no apparent difference in kind, place of origin, or use between the commodities ranking below the median and those ranking above it. Commodities related in origin or use—like corn and corn-meal, wool and cotton or wool and carpets, hogs and salt pork, wheat and oats—are often found on opposite sides of this dividing line at considerable distances from each other, while heterogeneous commodities are frequently found next each other. The upper and lower halves of the list are about equally miscellaneous in their contents.

Passing from this exhibit for January, 1865, to that for July, 1879, the attention is caught by the great change in the scale of relative prices. Every decile in 1879, even the 1st, is more than 100 points below the corresponding decile in 1865. Only one commodity in the list shows an increase in price—quinine: and only one remains stable—matches; all the others fall. It is significant that the one commodity which remains stable in price is raised in rank by the decline of other commodities from a place below the median in 1865 to the third place from the top of the scale in 1879. But though the fall in prices was so nearly universal, it was marked by the usual irregularities in degree. As a result, the grouping of commodities is greatly changed. To show the changes more clearly I have introduced into the tables for each of these dates columns showing (1) the relative prices of each commodity on the other date, and (2) the group, marked off by the deciles, to which it then belonged. These columns show that only 11 commodities of the 89 for which relative prices are given on both dates, remained in the same group in 1879 as in 1865, and that 42 commodities crossed from the lower half of the table in 1865 to the upper half in 1879, or *vice versa*. But this shifting in relative positions does not produce any clearer grouping of commodities by kinds, place of origin, or use than



TABLE 15.

*Relative wholesale prices of 92 commodities in July, 1879, and comparison with their relative prices in January, 1865.*

NOTE.—See the explanations on pp. 42 and 45.

Relative prices July, 1879	Deciles	Relative prices Jan., 1865	Rank Jan., 1865. by groups	Commodities
36		173	2	Sulphuric acid
48		200	4th d.	Dried apples
50		225	6	Cheese
53		222	6	Brimstone
55		143	1	Bichromate of potash
57		216	Med.	Wood screws
58		192	4	Blue vitriol
59		148	1	Candles
59		195	4	Lard
59	1st d.	176	2d d.	Tallow
60		257	8	Corn
60		254	7	Raisins
60		212	5	Corn meal
61		224	6	Timothy seed
62		212	5	Pork—salt-mess
63		309	9	Butts
63		274	9	Soda ash
67		342	10	Currants
67	2d d.	150	1	Muriatic acid
69		209	5	Copper-ingot
69		89	1	Raw silk
69		513	10	Turpentine
70		180	3	Phils
71		252	7	Coal—anthracite
71		267	8	Hogs
71		251	7	Mercury
72		252	7	Eggs
72	3d d.	200	4th d.	Oxide of zinc
73		200	4th d.	Wool
74		250	7	Butter
74		264	8	Iron wire
76		203	5	Rye
76		164	2	Tubs
77		256	7th d.	Quicksilver
79		173	2	Beans
80		174	2	Chairs
81	4th d.	220	6	Copper-sheet
82		515	10	Cotton textiles
82		287	9	Molasses
82		184	3	Shovels
83		256	7th d.	Alum
83		211	5	Brick
83		122	1	Opium
83		183	3	Putty
84		318	9th d.	Clover seed
85	Med.	245	7	Window glass

TABLE 15—(CONCLUDED).

*Relative wholesale prices of 92 commodities in July, 1879, and comparison with their relative prices in January, 1865.*

Relative prices July, 1879	Deciles	Relative prices Jan., 1865	Rank Jan., 1865, by groups	Commodities
86		265	8	Sugar
88		238	6	Copperas
88		213	5	Rye flour
90		256	7th d.	Coal—bituminous
90		191	3d d.	Sheep
90		400	10	Tar
91		171	2	Leather
92		261	8	Oats
93	6th d.	337	10	Lead
95		140	1	Crackers—Boston
95		176	2d d.	Wheat
100		160	1st d.	Cement
100		133	1	Chestnut lumber in log
100		*	*	Wheat flour
100		*	*	Milk
102		148	1	Hides
103		182	3	Beef
103	7th d.	205	5	Starch
103		176	2d d.	Corn starch
111		267	8	Carpets
112		272	8th d.	Linseed oil
114		1096	10	Cotton
115		180	3	Powder rifle
116		185	3	Beeves
116		473	10	Sugar of lead
117		243	7	Rope
118	8th d.	239	6	Barley
124		241	6th d.	Flax-seed
125		163	2	Kitchen tables
125		218	6	Rubber
125		188	3	Ship biscuit
127		287	9	Salt
133		200	4th d.	Hemlock lumber in log
140		190	3	Mutton
144		192	4	Spruce boards
150	9th d.	388	10	Codfish
150		250	7	Lime
150		200	4th d.	Pine lumber in log
150		282	9	Rice
164		196	4	Pine boards
166		241	6th d.	Potatoes
170		285	9	Tobacco
208		208	5	Matches
309		295	9	Quinine
370		815	10	Alcohol

\* No quotations for Jan. 1865.

No quotation for Soap—castile—for July, 1879.

existed in 1865. Unlike commodities are often side by side, and related commodities are often widely separated. A plausible explanation of the relative price of each commodity could probably be given by one who had made a technical study of the market conditions affecting it; but no broad differences are apparent between the character of the commodities in the two halves of the list.

*VI.—Relative Wholesale Prices of Farm Products and Other Commodities.*

There is one class of commodities included in Table 4 which it is interesting to segregate for special study—farm products. The results of segregation are shown in Table 16 which gives deciles for the 22 commodities produced by farmers, and for the 70 commodities which remain of the original list.<sup>12</sup>

According to this table the prices of farm products rose less promptly under the stimulus of the greenback issues than did the prices of other commodities. Cotton, tobacco, and rice of course are exceptions to the rule, and in a table of arithmetic means would affect the averages strongly; but in a table of deciles their eccentricities can disturb nothing but the highest relative prices and the ninth deciles. Because of the wide seasonal fluctuations in the prices of agricultural products they are expected to have higher relative prices than other commodities in January and April, and lower relative prices in July and October—provided the average relative prices for the whole year are the same for both groups. But it was not until 1865 that even the January figures show farm products distinctly in the lead and this position they promptly lost again.

As farm products rose less rapidly during the war, so they fell less rapidly after the war. Passing above other commodities in 1867, they remained higher until the middle of 1871. The speculative movement of the early 70's was marked by great irregularities in price-fluctuations; sometimes farm products, sometimes other commodities were higher. But when the price-level

<sup>12</sup> I have taken "farm products" in a broad sense, as the following list shows: corn, wheat, oats, rye, barley, timothy-seed, clover-seed, flax-seed; beans potatoes; cotton, rice, tobacco; hogs, beeves, hides, sheep, wool; milk, butter, cheese, eggs.

TABLE 16.

*Relative wholesale prices of farm products and other commodities: by quarters, 1860-1880.*

NOTE.—See the explanations regarding Table 4, pp. 29, 22.

Date	Class of Com- modities	No. of series	Lowest rel. price	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
<b>1860</b>													
Jan.	F.P.	22	88	100	100	100	100	101	102	106	108	122	149
	O.C.	69	80	100	100	100	100	100	100	100	100	100	133
April	F.P.	22	81	91	93	98	100	100	103	106	110	115	124
	O.C.	69	84	95	99	100	100	100	100	101	106	115	142
July	F.P.	22	75	81	87	93	93	96	99	100	103	112	121
	O.C.	70	81	93	96	98	100	100	100	100	103	113	136
Oct.	F.P.	22	83	89	91	92	94	95	99	100	100	111	120
	O.C.	70	77	90	96	100	100	100	100	103	109	124	159
<b>1861</b>													
Jan.	F.P.	21	77	81	90	92	97	98	100	102	103	107	120
	O.C.	70	74	83	89	94	98	100	100	103	109	117	155
April	F.P.	22	75	80	86	88	90	90	94	100	103	112	124
	O.C.	70	52	79	89	91	95	100	100	103	109	117	173
July	F.P.	21	58	62	65	66	67	82	91	92	101	129	136
	O.C.	69	50	75	82	90	94	98	100	100	109	120	205
Oct.	F.P.	22	60	62	70	75	82	86	94	98	100	120	197
	O.C.	70	72	82	89	93	96	100	100	105	113	125	363
<b>1862.</b>													
Jan.	F.P.	22	63	70	80	86	90	97	100	113	121	137	336
	O.C.	69	72	83	90	94	97	100	106	119	133	150	380
April	F.P.	22	70	75	79	90	93	95	98	110	117	137	253
	O.C.	70	72	87	90	93	95	100	105	117	127	149	370
July	F.P.	22	52	67	74	80	85	87	101	103	118	173	346
	O.C.	70	65	83	91	94	100	103	109	117	130	156	640
Oct.	F.P.	21	65	75	80	83	89	96	103	118	123	153	515
	O.C.	69	71	90	99	100	107	116	122	129	133	179	563
<b>1863</b>													
Jan.	F.P.	20	83	85	97	107	110	117	123	146	164	182	618
	O.C.	68	75	96	100	109	119	129	133	142	156	200	625
April	F.P.	20	73	82	112	119	126	131	145	159	189	239	668
	O.C.	67	72	100	112	125	130	140	150	163	174	213	675
July	F.P.	20	81	93	101	103	112	120	121	140	178	195	631
	O.C.	67	67	100	111	120	131	137	147	158	174	200	895
Oct.	F.P.	20	68	95	102	114	119	124	130	135	165	172	772
	O.C.	68	67	101	113	125	131	138	142	150	176	200	699

TABLE 16—(CONTINUED).

*Relative wholesale prices of farm products and other commodities: by  
quarters, 1860-1880.*

Date	Class of commodities	No. of series	Lowest rel. price	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
<b>1864</b>													
Jan.	F.P.	20	111	116	127	140	145	152	157	166	192	220	741
	O.C.	69	69	114	126	138	145	157	168	179	200	232	750
April	F.P.	20	106	120	141	147	152	161	178	199	223	231	695
	O.C.	68	75	124	133	151	161	169	178	196	207	273	960
July	F.P.	20	114	120	147	157	161	168	194	233	236	245	1410
	O.C.	68	89	139	160	173	188	195	200	219	276	308	900
Oct.	F.P.	20	131	147	157	173	186	200	205	208	218	240	1101
	O.C.	68	94	148	167	174	194	200	221	247	283	345	639
<b>1865</b>													
Jan.	F.P.	21	148	176	191	203	225	241	250	257	267	285	1096
	O.C.	69	89	150	176	188	200	212	238	256	274	342	815
April	F.P.	21	94	124	145	157	178	184	209	212	244	259	343
	O.C.	68	107	144	150	166	179	190	200	212	225	270	796
July	F.P.	21	79	101	107	125	132	142	152	166	177	229	430
	O.C.	69	89	111	134	147	152	165	178	200	208	277	759
Oct.	F.P.	21	101	120	138	144	145	160	176	204	219	243	426
	O.C.	69	96	131	138	153	169	183	200	228	250	287	833
<b>1866</b>													
Jan.	F.P.	22	100	122	123	128	144	154	175	197	205	224	469
	O.C.	70	100	122	149	162	174	186	200	214	248	277	824
April	F.P.	22	98	106	115	119	127	135	169	173	200	250	354
	O.C.	69	94	119	141	155	165	187	197	202	217	267	833
July	F.P.	22	90	120	130	135	143	150	190	196	219	249	325
	O.C.	70	89	120	141	153	170	182	197	200	216	250	815
Oct.	F.P.	22	101	120	130	138	149	158	180	185	190	221	341
	O.C.	69	93	126	137	150	160	174	183	200	216	277	880
<b>1867</b>													
Jan.	F.P.	22	102	115	119	142	154	162	172	183	200	209	325
	O.C.	69	89	111	125	136	152	169	175	200	216	253	861
April	F.P.	22	103	121	137	140	163	166	190	197	207	235	263
	O.C.	69	89	108	120	141	150	158	175	197	211	228	648
July	F.P.	22	99	110	118	121	129	140	164	174	195	233	259
	O.C.	69	86	105	122	142	147	153	166	181	206	239	870
Oct.	F.P.	22	89	112	123	159	166	175	184	187	193	220	259
	O.C.	67	87	109	125	140	145	160	168	181	197	218	741

TABLE 16—(CONTINUED).

*Relative wholesale prices of farm products and other commodities: by  
quarters, 1860-1880.*

Date	Class of com- modities	No. of series	Lowest rel. price	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
<b>1868</b>													
Jan.	F.P.	22	85	107	125	153	155	160	196	202	209	258	276
	O.C.	69	87	100	114	128	142	154	169	180	188	225	787
April	F.P.	22	93	112	143	160	169	185	199	229	253	293	339
	O.C.	69	84	100	125	132	142	153	170	185	194	215	787
July	F.P.	22	90	109	125	140	146	154	175	195	206	260	360
	O.C.	70	82	100	121	130	142	153	172	179	188	200	435
Oct.	F.P.	22	94	116	144	155	167	174	179	195	206	233	269
	O.C.	69	88	100	117	133	148	153	167	175	194	217	500
<b>1869</b>													
Jan.	F.P.	22	99	113	126	164	165	177	189	206	227	238	266
	O.C.	68	82	103	117	130	148	152	167	173	184	200	361
April	F.P.	22	99	124	133	152	167	174	184	191	206	220	263
	O.C.	70	81	100	118	132	141	151	166	174	188	209	377
July	F.P.	22	96	117	135	140	149	160	168	180	187	212	316
	O.C.	69	73	100	112	127	141	156	167	178	188	200	361
Oct.	F.P.	22	95	107	133	139	153	155	173	180	186	202	249
	O.C.	69	68	100	112	135	141	148	159	175	180	200	444
<b>1870</b>													
Jan.	F.P.	22	91	113	128	140	149	151	161	172	177	203	270
	O.C.	68	70	100	111	125	137	143	150	166	180	200	352
April	F.P.	22	85	103	115	130	140	141	154	161	174	208	228
	O.C.	70	67	97	105	120	126	137	144	157	174	200	367
July	F.P.	22	90	108	125	127	130	132	157	166	187	205	283
	O.C.	70	67	95	102	118	125	132	142	157	179	191	380
Oct.	F.P.	22	94	102	116	128	137	147	150	152	176	195	221
	O.C.	70	65	91	103	118	127	133	141	154	173	190	323
<b>1871</b>													
Jan.	F.P.	22	91	109	112	122	130	140	141	164	179	192	235
	O.C.	70	60	90	100	117	126	133	141	150	167	185	343
April	F.P.	22	100	114	121	125	130	134	140	165	167	206	239
	O.C.	69	61	88	105	117	127	130	141	150	158	180	337
July	F.P.	22	82	98	117	118	119	129	138	153	155	191	246
	O.C.	70	64	89	102	117	125	131	142	147	158	175	333
Oct.	F.P.	22	85	104	111	122	125	127	130	143	155	182	212
	O.C.	70	64	93	104	117	125	131	142	150	162	180	361

TABLE 16—(CONTINUED).

*Relative wholesale prices of farm products and other commodities: by  
quarters, 1860-1880.*

Date	Class of Com- modities	No. of series	Lowest rel. price	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
1872													
Jan.	F.P.	22	86	108	121	124	130	132	134	140	153	206	215
	O.C.	70	55	89	104	118	127	133	142	150	164	180	343
April	F.P.	22	82	98	111	123	130	133	158	165	183	212	215
	O.C.	68	55	93	104	120	129	140	150	158	170	200	324
July	F.P.	22	79	90	103	110	114	117	130	138	145	198	236
	O.C.	70	55	90	106	120	128	138	150	153	169	194	330
Oct.	F.P.	22	88	101	119	122	125	129	131	141	152	187	212
	O.C.	69	55	92	109	122	129	140	150	158	174	200	326
1873													
Jan.	F.P.	22	77	110	112	128	131	133	141	148	190	194	232
	O.C.	70	55	92	104	121	127	136	146	153	160	190	361
April	F.P.	22	89	104	107	129	131	132	143	160	180	200	236
	O.C.	70	58	89	104	120	129	139	147	153	168	194	333
July	F.P.	22	75	95	107	110	118	123	130	142	167	200	236
	O.C.	70	58	91	102	114	126	136	142	152	168	190	333
Oct.	F.P.	22	86	103	106	114	123	125	131	137	168	196	227
	O.C.	69	58	91	103	116	126	136	150	153	167	200	367
1874													
Jan.	F.P.	22	97	113	120	124	127	133	146	157	193	201	232
	O.C.	70	58	91	104	110	119	128	140	150	158	183	352
April	F.P.	22	104	112	118	122	130	140	156	165	180	227	232
	O.C.	70	58	92	102	110	117	125	135	146	160	197	346
July	F.P.	22	101	106	111	115	126	130	133	155	167	199	203
	O.C.	70	58	90	104	110	116	129	139	145	161	197	352
Oct.	F.P.	22	92	105	116	118	130	131	138	143	146	179	235
	O.C.	69	58	89	98	109	123	130	135	142	157	200	394
1875													
Jan.	F.P.	22	93	105	119	127	130	132	149	158	174	192	240
	O.C.	70	67	88	99	106	112	124	130	137	154	194	359
April	F.P.	22	96	101	116	119	123	141	145	153	163	172	238
	O.C.	70	64	90	96	106	117	125	129	138	147	164	407
July	F.P.	22	98	101	103	118	120	124	141	143	152	175	238
	O.C.	70	55	88	95	105	109	120	127	135	146	162	432
Oct.	F.P.	22	91	98	107	108	119	120	133	148	155	160	221
	O.C.	70	45	84	95	102	109	119	129	134	143	173	426

TABLE 16—(CONTINUED).

*Relative wholesale prices of farm products and other commodities: by quarters, 1860-1880.*

Date	Class of commodities	No. of series	Lowest rel. price	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
1876													
Jan.	F.P.	22	93	95	99	109	111	121	128	132	148	168	196
	O.C.	70	59	82	95	100	106	117	123	131	144	160	398
April	F.P.	22	79	92	97	104	106	116	123	133	157	174	206
	O.C.	70	61	82	93	100	106	114	125	130	140	149	394
1876													
July	F.P.	22	69	79	93	98	103	104	112	117	121	162	199
	O.C.	70	64	78	85	95	105	112	120	125	137	152	391
Oct.	F.P.	22	70	78	96	101	103	108	125	132	144	153	169
	O.C.	69	55	80	88	93	99	106	115	127	140	160	393
1877													
Jan.	F.P.	22	70	83	105	115	116	123	129	150	160	169	229
	O.C.	70	61	74	85	95	105	110	120	125	133	142	393
April	F.P.	22	65	78	100	102	106	111	126	141	150	183	239
	O.C.	70	41	74	84	90	95	104	114	123	133	142	409
July	F.P.	22	70	86	95	100	101	104	112	140	158	161	197
	O.C.	70	41	71	81	86	95	100	108	123	131	137	391
Oct.	F.P.	22	56	81	89	97	104	109	113	120	124	140	188
	O.C.	70	41	74	82	87	92	100	108	120	128	134	396
1878													
Jan.	F.P.	22	50	84	91	99	103	107	116	122	128	150	173
	O.C.	69	45	71	78	83	85	94	100	115	123	140	382
April	F.P.	22	50	69	79	84	91	97	106	119	125	147	161
	O.C.	69	36	64	75	80	83	90	100	113	125	142	432
July	F.P.	22	49	69	72	76	86	89	95	95	105	117	162
	O.C.	69	36	64	70	77	84	90	100	103	117	133	378
Oct.	F.P.	22	67	69	69	83	92	97	105	112	121	165	168
	O.C.	68	45	63	68	78	85	90	100	106	120	133	380
1879													
Jan.	F.P.	22	47	65	70	83	84	87	99	120	141	150	228
	O.C.	69	46	56	67	75	81	88	93	103	124	138	370
April	F.P.	22	49	66	72	76	83	88	100	106	119	150	190
	O.C.	69	36	62	64	74	80	84	92	104	120	150	370
July	F.P.	22	50	61	72	74	79	90	100	114	118	150	170
	O.C.	69	36	59	63	71	81	83	91	103	125	150	370
Oct.	F.P.	22	71	81	86	91	97	100	105	110	112	126	185
	O.C.	68	36	60	72	78	82	88	100	110	125	150	380



TABLE 16—(CONCLUDED).

*Relative wholesale prices of farm products and other commodities: by quarters, 1860-1880.*

Class of		No.	Lowest										Highest	
Date	Com-	of	rel.	1st	2d	3d	4th			6th	7th	8th	9th	rel.
	modities	series	price	decile	decile	decile	decile	Median		decile	decile	decile	decile	price
1880														
Jan.	F.P.	22	85	99	102	110	113	115	123	123	126	157	176	
	O.C.	67	36	76	83	90	94	102	112	120	136	150	393	
April	F.P.	22	72	82	89	100	107	110	112	119	142	155	176	
	O.C.	68	36	71	87	93	102	106	112	125	140	167	382	
July	F.P.	22	69	78	84	87	91	96	108	112	113	127	165	
	O.C.	68	36	67	76	88	98	103	110	120	127	150	385	
Oct.	F.P.	22	71	88	93	97	101	108	115	118	126	148	175	
	O.C.	68	36	67	83	90	95	100	104	120	127	142	398	

entered on the rapid decline following the crisis of 1873, farm products once more moved more sluggishly, and as a result their relative prices were on the whole higher for every quarter from 1874 to 1879, with the exception of July, 1876, and July, 1878.

In the final movement of the price-level which the table shows, however, farm products took the lead. This fact was due to the peculiar character of the conditions which produced the movement. The European harvests of 1879 were very much below their average in quantity and quality. The result was an enormous export demand for American breadstuffs—a demand so large that it carried prices very high, despite the large supplies which an exceptionally favorable season in the United States provided. The advance in the prices of other commodities was in large measure a result of this advance in the prices of breadstuffs. Farmers selling large crops at high prices in their turn bought very freely and this brisk demand affected directly or indirectly the price of nearly every commodity.

In Table 16 all of the commodities are treated as having the same importance. But if it is desired to use the table of prices of farm products in investigating the business prosperity of the farmers it is necessary to recognize the wide differences between different products as sources of income. Estimates for this purpose can be made better if four classes of farmers be taken separately—(1) grain farmers, (2) stock farmers, (3) dairy farmers,

and (4) cotton planters. Figures indicating the relative money value of the more important grain crops—based on census returns of yields in 1860, 1870, and 1880, and price estimates made by the Department of Agriculture—are published in the *Aldrich Report*.<sup>13</sup> For the relative importance of cattle, sheep, and hogs as farm products I have been able to find no good contemporary estimates, and have therefore used figures (43.3 per cent. for cattle, 5.1 per cent. for sheep, 51.6 per cent. for hogs) based on census estimates of animals slaughtered on farms and sold by farmers for slaughter in 1899.<sup>14</sup> A similar set of weights was obtained from the *Twelfth Census* for milk, butter, and cheese; but I have refrained from using it, because the market for the most important of these articles—milk—was strictly a local market from 1860 to 1880. It would be absurd to treat our single series of quotations from New York City for milk in the same way as we treat Chicago quotations for wheat or hogs. Finally, cotton stands by itself and requires no weighting.

For these weighted series there is no point in computing deciles. A farmer's money income is to him a whole—not an aggregate of successive tenths in each of which he sees a separate significance aside from its contribution to the whole. The purpose of the present computations is to approximate the influence of price-fluctuations on the money incomes of certain classes of farmers, and the most significant form of average is the arithmetic mean.

The results, as set forth in Table 17, require no restatement in words. But it is desirable to enter a warning against taking the figures too literally. The original data are prices in im-

<sup>13</sup> Part I, p. 108. The weights I have used are as follows:

	1860-65	1866-75	1876-80
	per cent	per cent	per cent
Wheat	33.9	37.0	44.8
Corn	49.0	39.2	35.6
Oats	11.7	18.3	15.1
Rye	3.0	2.2	1.5
Barley	2.4	3.3	3.0
	100.0	100.0	100.0

In computing these weights for grain farms I have taken but half the estimated value of the corn crop, because of the large amount of corn raised on stock farms and fed to hogs or cattle.

<sup>14</sup> *Twelfth Census*, Agriculture, Part 1, p. CCXXII.

TABLE 17.

*Arithmetic means of relative wholesale prices of certain classes of farm products, weighted according to estimated money value of the crops: by quarters, 1860-1880.*

NOTE.—For explanation of the weights used, see p. 55.

	92 com- modi- ties	5 grains	Hogs, cattle, sheep	Cotton		92 com- modi- ties	5 grains	Hogs, cattle, sheep	Cotton
1860					1868				
Jan.	102	113	104	101	Jan.	171	199	140	153
Apr.	102	100	106	101	Apr.	176	193	175	266
July	100	94	90	98	July	165	167	162	294
Oct.	102	93	101	99	Oct.	166	159	154	246
1861					1869				
Jan.	100	94	105	112	Jan.	165	151	167	238
Apr.	98	89	96	117	Apr.	165	139	177	262
July	95	67	77	136	July	158	142	163	316
Oct.	103	80	73	197	Oct.	157	129	165	249
1862					1870				
Jan.	115	91	75	336	Jan.	152	129	167	232
Apr.	112	86	83	253	Apr.	146	118	164	208
July	120	83	71	346	July	145	125	163	187
Oct.	126	91	75	515	Oct.	143	115	146	152
1863					1871				
Jan.	142	114	89	618	Jan.	142	115	138	140
Apr.	160	131	107	668	Apr.	140	129	141	139
July	155	114	97	631	July	137	118	107	191
Oct.	155	121	84	773	Oct.	139	116	105	182
1864					1872				
Jan.	179	162	124	741	Jan.	141	117	112	185
Apr.	197	164	152	695	Apr.	145	113	113	215
July	236	213	163	1410	July	139	104	109	236
Oct.	239	191	191	1101	Oct.	143	105	114	173
1865					1873				
Jan.	248	228	228	1096	Jan.	142	111	108	189
Apr.	206	172	224	343	Apr.	144	112	124	182
July	183	111	166	430	July	140	100	111	192
Oct.	205	134	216	426	Oct.	140	109	103	168
1866					1874				
Jan.	199	126	190	469	Jan.	140	127	115	149
Apr.	186	111	174	354	Apr.	141	126	124	156
July	191	136	183	325	July	138	117	118	162
Oct.	188	155	180	373	1875				
1867					Jan.	138	123	136	132
Jan.	179	172	138	325	Apr.	132	122	145	152
Apr.	175	184	165	263	July	129	117	141	141
July	170	155	147	240	Oct.	127	103	143	121
Oct.	172	186	138	197	Oct.	138	120	123	141

TABLE 17—(CONCLUDED).

*Arithmetic means of relative wholesale prices of certain classes of farm products, weighted according to estimated money value of the crops: by quarters, 1860–1880.*

	92 com- modi- ties	5 grains	Hogs, cattle, sheep	Cotton		92 com- modi- ties	5 grains	Hogs, cattle, sheep	Cotton
1876					1879				
Jan.	122	100	133	121	Jan.	100	77	81	87
Apr.	122	102	142	123	Apr.	99	78	95	98
July	118	91	118	109	July	98	82	91	114
Oct.	117	94	112	101	Oct.	103	89	90	97
1877					1880				
Jan.	121	103	126	116	Jan.	114	110	99	116
Apr.	118	103	116	106	Apr.	116	94	98	119
July	114	111	113	112	July	110	82	94	108
Oct.	110	94	109	102	Oct.	111	85	101	106
1878									
Jan.	107	98	100	103					
Apr.	105	91	93	96					
July	99	75	96	105					
Oct.	102	78	84	97					

portant markets, but they cannot be assumed to represent the prices realized by every farmer in the country. For many farm products we have either no price quotations, or no estimates of relative importance. Even for the products included in the table these estimates of importance are merely rough approximations. Most important of all, variations in the prices of their products is only one factor in determining the business prosperity of farmers:—variations in yields are probably more important, and there are numerous other factors by no means negligible. The extraordinarily high prices of cotton during the war, for example, do not mean prosperity for the planter.

*VII.—Arithmetic Means of Relative Prices at Wholesale—Falkner's and Dun's Index Numbers.*

The tables of deciles, on which the main reliance has been placed in this chapter, have three disadvantages:—they are unfamiliar to readers, they cannot well be compared with other tables of relative prices, and they show details with a fullness which for some purposes is embarrassing. It is therefore desirable to supplement the preceding tables with one which gives the

common form of average, side by side with Falkner's and Dun's well-known index numbers.

Concerning the first two columns in the following table nothing need be said except that the prices of gold are taken from Table 2, and the medians from Table 4. The arithmetic means of the third column have been computed from the tally sheets used in finding the deciles. They are "simple" averages of the familiar type. Objection has frequently been made to arithmetic means as a form of average for index numbers on the ground that while relative prices may rise thousands of points above 100, they cannot fall more than 100 points. An advance on the part of one series to 500 points may well be regarded as less remarkable than the fall of another series to 20; but the first change would exercise far more influence on the arithmetic mean than the second. This objection applies with especial force to a table of prices for the years of the civil war, when a few commodities like cotton, alcohol, tar, etc., rose to such extraordinary heights. The effect of such cases on the arithmetic mean is shown by the fact that in 9 of the 84 quarters covered by the table the arithmetic mean equals or exceeds the 7th decile; in 36 more cases it equals or exceeds the 6th decile; in 35 more cases it exceeds the median. Only three times does it coincide with the median—July, 1860, January, 1861, July, 1869—, and only once is it less than the median—July, 1861. The arithmetic mean, indeed, corresponds much more closely to the 6th decile than to the median, and lies more often above it than below.<sup>15</sup> The median, while not affected by these cases of extraordinary advance in price, is rather erratic within limits of several points, because its precise position is often dependent on the relative price of a single commodity which stands in the middle of the scale of relative prices. In short,

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<sup>15</sup> The reason why the arithmetic mean is not 100 in January, 1860, is that the relative prices of a number of commodities, particularly farm products, were computed on the basis of the average of four quarterly quotations, and the January quotation is in most cases somewhat higher than the average.

Both the medians and the arithmetic means for 1860 to 1865 in this table differ somewhat from the corresponding figures in Table XIV of *A History of the Greenbacks*, (p. 256). The differences are due to changes in the list of commodities used—necessary in extending the table from 1865 to 1880—and to changes in the grouping of certain related commodities. Of course slight changes in the data employed in compiling a table of prices alter the averages obtained more seriously at a time when the range of variation in prices is very wide than at a time of comparative stability of prices.

TABLE 18.

*Comparison of various averages of relative wholesale prices of commodities  
and of the price of gold: by quarters and by years, 1860-1880.*

		Average price of gold	Quarterly table		Falkner's table		Dun's index no.—rela- tive prices
			Median	Arith. mean	Simple average	Weighted average	
1860	Jan.	100.0	100	102	100.0	100.0	
	Apr.	100.0	100	102			
	July	100.0	100	100			100
	Oct.	100.0	100	102			
1861	Jan.	100.0	100	100	100.6	94.1	
	Apr.	100.0	96	98			
	July	100.0	96	95			89
	Oct.	100.0	97	103			
1862	Jan.	102.5	100	115	117.8	104.1	
	Apr.	101.5	100	112			
	July	115.5	100	120			103
	Oct.	128.5	111	126			
1863	Jan.	145.1	125	142	148.6	132.2	
	Apr.	151.5	137	160			
	July	130.6	134	155			150
	Oct.	147.7	135	155			
1864	Jan.	155.5	156	179	190.5	172.1	
	Apr.	172.7	169	197			
	July	258.1	194	236			242
	Oct.	207.2	200	239			
1865	Jan.	216.2	216	248	216.8	232.2	
	Apr.	148.5	190	206			
	July	142.1	158	183			169
	Oct.	145.5	175	205			
1866	Jan.	140.1	182	199	191.0	187.7	
	Apr.	127.3	173	186			
	July	151.6	181	191			181
	Oct.	148.3	173	188			
1867	Jan.	134.6	169	179	172.2	165.8	
	Apr.	135.6	166	175			
	July	139.4	150	170			164
	Oct.	143.5	162	172			
1868	Jan.	138.5	158	171	160.5	173.9	
	Apr.	138.7	162	176			
	July	142.7	154	165			159
	Oct.	137.1	159	166			
1869	Jan.	135.6	159	165	153.5	152.3	
	Apr.	132.9	159	165			
	July	136.1	158	158			143
	Oct.	130.2	153	157			
1870	Jan.	121.3	147	152	142.3	144.4	
	Apr.	113.1	140	146			

TABLE 18—(CONCLUDED).

*Comparison of various averages of relative wholesale prices of commodities  
and of the price of gold: by quarters and by years, 1860-1880.*

		Average price of gold	Quarterly table		Falkner's table		Dun's index no.—rela- tive prices
			Median	Arith. mean	Simple average	Weighted average	
1870	July	116.8	132	145			129
	Oct.	112.8	135	143			
1871	Jan.	110.7	133	142	136.0	136.1	
	Apr.	110.6	131	140			
	July	112.4	130	137			132
	Oct.	113.2	129	139			
1872	Jan.	109.1	133	141	138.8	132.4	
	Apr.	111.1	140	145			
	July	114.3	130	139			131
	Oct.	113.2	133	143			
1873	Jan.	112.7	135	142	137.5	129.0	
	Apr.	117.8	137	144			
	July	115.7	130	140			124
	Oct.	108.9	131	140			
1874	Jan.	111.4	130	140	133.0	129.9	
	Apr.	113.4	129	141			
	July	110.0	130	138			124
	Oct.	110.0	130	138			
1875	Jan.	112.5	127	138	127.6	128.9	
	Apr.	114.8	125	132			
	July	114.8	121	129			117
	Oct.	116.4	120	127			
1876	Jan.	112.8	117	122	118.2	122.6	
	Apr.	113.0	115	122			
	July	111.9	110	118			101
	Oct.	109.7	108	117			
1877	Jan.	106.3	114	121	110.9	113.6	
	Apr.	106.2	108	118			
	July	105.4	100	114			95
	Oct.	102.8	102	110			
1878	Jan.	102.1	99	107	101.3	104.6	
	Apr.	100.6	96	105			
	July	100.5	90	99			84
	Oct.	100.5	94	102			
1879	Jan.	100.0	88	100	96.6	95.0	
	Apr.	100.0	84	99			
	July	100.0	85	98			85
	Oct.	100.0	95	103			
1880	Jan.	100.0	108	114	106.9	104.9	
	Apr.	100.0	107	116			
	July	100.0	102	110			94
	Oct.	100.0	101	111			

neither form of average by itself is wholly satisfactory; not only because neither shows the range and distribution of the relative prices of the whole list of commodities, but also because neither is free from arbitrary and unrepresentative influences. A “smoothed” curve based on the medians would probably be the most satisfactory single series of averages; but no single set of averages tells as much as the table of deciles.

The next two columns in the table show Falkner’s familiar index numbers from the Aldrich Report.<sup>16</sup> These index numbers are arithmetic means made from the relative prices of some 230 nominally distinct commodities. The second series was weighted by figures drawn from budgets of family expenditure. The differences between the single and weighted series is considerable for the years of the war, but small for most of the later years. The simple average agrees with the median of the quarterly table more closely on the whole than with the arithmetic mean; but the weighted average agrees more closely with the arithmetic mean than with the median. From 1862 to 1864, Falkner’s simple average is higher than the arithmetic mean of the quarterly table—partly because Falkner did not group in a single series the numerous varieties of cotton textiles, all of which rose violently in price; partly because his practice of using July instead of January quotations for certain commodities gives these commodities higher relative prices in his table than they have for January in the quarterly table during years when prices were rising rapidly.<sup>17</sup> From 1865 to 1880 his simple averages are always lower than my arithmetic means. In 1865 the chief reason for the wide difference is that July quotations are much lower than January quotations. In later years when prices were changing more slowly, this factor is of less consequence, and the chief reason seems to be Falkner’s use of slightly different kinds of the same commodity as independent series. It so happens that in the cases where Falkner uses series for several varieties of one commodity these series rank more often below than above the general average. Such is emphatically the case in the most conspicuous instance—that of the 25 series for different kinds of pocket knives.

<sup>16</sup> Part I, p. 93.

<sup>17</sup> See *A History of the Greenbacks*, pp. 240-242.



To test the effect of this factor I have recomputed Falkner's index number for 1880 from his own relative prices after grouping the closely related commodities as they are grouped in the quarterly table, and find that the simple average is 112.8 instead of 106.9. This new result is much closer to the arithmetic mean of the quarterly table (114) than to Falkner's own average. A part of the difference between his and my arithmetic means, however, is due to the inclusion of commodities in Falkner's table for which quarterly prices are not available, and to the inclusion in the quarterly table of several farm products put by Falkner in a separate table.

Falkner's weighted average is open to two important criticisms in addition to those which may be passed on his simple average: (1) as has been said, the plan of applying weights drawn from family expenditures in purchases at retail to series of relative prices at wholesale is illogical; (2) the articles for which Falkner had wholesale prices and to which he applied the weights are in large part not articles which enter into family consumption, but raw materials from which consumption goods are produced or articles which a family does not consume in any form—for example, anvils and circular saws.

The last column in the table shows Dun's index number for July of each year changed into a series of relative numbers on the basis, July, 1860=100. As originally computed, this index number professes to show the sum of the actual prices of a large number of necessary articles each weighted according to annual *per capita* consumption in the United States. The relative figures given in the table show more violent oscillations than any of the other series. On the whole they differ somewhat less from the medians than from the arithmetic means of the quarterly table. The value of Dun's index number, however, as an indication of changes in the price-level will remain uncertain until its compilers publish the list of commodities used, the sources from which their quotations were obtained, and the methods by which their weights were computed.

## CHAPTER III.

## PRICES OF COMMODITIES AT RETAIL.

*I.—Material and Methods.*

The material available for the investigation of fluctuations in retail prices during the years of the paper standard does not include so many commodities as the material for wholesale prices, and was not collected with as much care. The only large collection of data is the "Report on the Average Retail Prices of Necessaries of Life in the United States," prepared under the direction of Mr. Joseph D. Weeks, and published in volume 20 of the *Tenth Census*.<sup>1</sup> To gather information Mr. Weeks drew up a special schedule on which appeared the names of 60 "necessaries of life" and spaces for entering their retail prices for the years 1851 to 1880. He sent copies to shop-keepers in a large number of towns, requesting them to enter the prices of as many of the articles as they could, and for as many years. The 60 necessities were subdivided into provisions; groceries, etc. (including coal, wood, and oil); domestic dry goods, etc. (including boots); house-rent, and board. Spaces were provided for entering the name, address, and line of business of the person, firm, or corporation making the return. By way of directions this note was prefixed to the list of necessities: "In filling out this table please give retail prices and prices that will be a fair average for the year, if possible. If this cannot be done, give prices on or about June 1st of each year." At the end of the list there was added: "Please state if prices are average prices per year or prices on or about June 1."<sup>2</sup>

Four hundred and nine of these schedules were filled in and returned to the Census Office by shop-keepers in 16 states ranging from Massachusetts to Florida and Missouri. Some gave prices

<sup>1</sup> Hereafter referred to as "Weeks's Report on Retail Prices."

<sup>2</sup> This schedule is not published in Weeks's Report, but may be found in Wright and Hunt's *History and Growth of the United States Census*, (56th Congress, 1st session, Senate Doc. No. 194), pp. 867, 868.

for only a few years, a few ran back to 1851. Mr. Weeks published the returns substantially as he received them without making any attempt to show the drift of the changes in prices. For this reason later students of prices have practically ignored his report. They could not utilize it without a laborious and expensive process of computing relative prices and striking averages.

The value of the material collected in this fashion is open to some doubt. It certainly cannot be used safely to investigate the retail prices of commodities in different towns at the same time. For the descriptions of the commodities listed on the schedules were so brief as to give no assurance that the articles quoted by different shop-keepers were identical in grade or quality. Mr. Weeks, however, thought it "fair to presume that in a given tabulation the price of the same quality or grade of each article, as near as is possible, is quoted for the different years, as the report is made by the same person and of the prices at the same shop."<sup>3</sup> On this assumption the data may be used for investigating the changes in the level of retail prices from year to year—though not without serious reservations. It is probable that the quality of the provisions, groceries, and dry-goods sold by the same retail shops under the same names, differed more from year to year than the quality of the staple commodities for which we have wholesale prices. But this admission detracts less from the value of the data as material for the study of changes in the money cost of living than from its value as material for studying the relations between prices at wholesale and at retail. For consumers buy the goods which shop-keepers have in stock, and when a new make of flour or a new pattern of gingham is introduced and sold as a staple in place of the old there is no objection to using its price. Indeed, no other course is feasible, because most consumption goods are continually undergoing minor modifications in quality.

Another source of doubt about the data is the accuracy with which shop-keepers computed the average prices of the commodities in which they dealt. The direction to give "prices that will be a fair average for the year" is rather indefinite and seems to

<sup>3</sup> *Report*, p. 2.

invite rough estimates. But unless the schedules had been filled in by expert special agents from the census office, it is probable that explicit directions requiring the making of elaborate computations would have been disregarded. The returns should be regarded as more or less expert estimates based on inspection of old accounts rather than as accurate quotations, such for example as can be given for the price of a certain grade of wheat on the Chicago Board of Trade for a particular day. The approximate character of the individual statements of price matters less because we have from 6 to 23 series of quotations for every commodity included in the following tables.

This description of Weeks's Report on Retail Prices shows that it is far from being an ideal source of information. The field is one, indeed, where the obstacles to satisfactory statistical treatment are far more formidable than in the field of wholesale prices or of wages. But this report is the only considerable collection of data available, and the choice lies between using it and giving up the attempt to learn what effect the paper standard had on prices at retail and cost of living. Working over the material increases one's confidence in its reliability; for the returns from different towns show both the general agreements and the detailed differences characteristic of price-statistics gathered from many independent sources. Moreover, the results which the final tables show are substantially in accordance with expectations based on other investigations of a similar sort. It would, of course, be an error to accept the tables as an unimpeachable index of the precise changes which occurred in the retail price-level; but it would be going too far in the other direction to refuse to accept the broad conclusions which they suggest. As usually happens in such undertakings, it is quite impossible to state quantitatively the probable margin of error in the figures.

In dealing with the material in Weeks's report I rejected (1) all series of quotations not expressly stated to show average prices for the year, and (2) all series not approximately complete for the whole period, 1860 to 1880. The number of series left by this process of elimination was 554. Each one of these series was next reduced to a series of relative prices on the basis: actual prices in 1860=100. Then all the series of relative prices from different

towns for the same commodity were averaged. This step left 60 series of relative prices for as many nominally district "necessaries of life." Next, for reasons similar to those explained in the chapter on wholesale prices, the series for closely related commodities were grouped together, and averages were struck for these groups. Thus the number of series used in making the tables was cut down from 60 to 36—or rather to 34 and 35, for the series for board was not used at all, and the series for house-rent was used only in the tables of cost of living. The series used, and the number of sets of quotations on which each series is based, are shown in Table 19. The names of the 60 "necessaries" for

TABLE 19.

*Conspectus of the material used in making tables of relative retail prices.*

NOTE.—For explanations, see pp. 63 to 66.

Serial No.	Titles of series used in making the tables	Number of sets of quotations averaged.	Serial No.	Titles of series used in making the tables	Number of sets of quotations averaged.
1	Beans	9	21	Mutton	20
2	Beef—fresh	26	22	Oil—coal or carbon	8
3	Beef—corned	9	23	Pork—fresh	14
4	Boots	23	24	Pork—preserved	30
5	Butter	9	25	Potatoes	8
6	Cheese	9	26	Rice	9
7	Coal—anthracite	6	27	Satinets	11
8	Coal—bituminous	6	28	Syrup	7
9	Codfish	7	29	Soap	8
10	Coffee	17	30	Starch	8
11	Corn meal	9	31	Sugar	25
12	Cotton textiles	84	32	Tea	9
13	Eggs	9	33	Veal	21
14	Flour—rye	7	34	Wood	19
15	Flour—wheat	13			
16	Lard	9		Total	492
17	Mackerel	7	35	House-rent	36
18	Milk	7	36	Board	26
19	Molasses	17			
20	Mousselines de laine	12		Total	554

which Weeks collected data are incidentally shown in Table 25, and all of the 554 original series are given at length in the appendix (Table 4).

Regarding the construction of the summary tables presented in this chapter nothing need be said except that the same methods have been followed in ascertaining deciles for retail as for wholesale prices.\*

\* See Chapter II, section i, above.

## II.—Relative Prices of 34 Commodities at Retail.

Table 20 shows the 36 series of relative prices at retail from 1860 to 1880. Every series without exception shows a marked advance during the civil war and a marked fall during the '70's. Nine commodities reached their maximum relative prices in 1864, 8 in 1865, 8 in 1866, 2 in 1867, 5 in 1868, and one each in 1869 and 1870. During the subsequent fall of prices 1 commodity reached its lowest price in 1873, 2 in 1876, 1 in 1877, 4 in 1878, 14 in 1879, and 12 in 1880.<sup>5</sup> Thus the table shows a broad similarity in the character of the price fluctuations of all series, combined with marked diversities of detail. A similar remark may be made concerning the relation between the movements of retail

TABLE 20.

*Arithmetic means of the different series of relative retail prices of the same commodities: by years, 1860-1880.*

No. of individual series	Beans	Beef— fresh	Beef— corned	Board	Boots— men's heavy	But- ter	Cheese	Coal— anthra- cite	Coal— bitum- inous	Cod- fish	Coffee	Corn- meal
	9	26	9	26	23	9	9	6	6	7	17	9
1860	100	100	100	100	100	100	100	100	100	100	100	100
1861	104	110	103	110	104	93	90	103	105	102	102	111
1862	122	112	103	119	120	110	97	115	115	112	128	118
1863	142	129	117	136	140	129	113	167	151	128	167	143
1864	156	156	134	156	160	188	153	205	154	147	236	174
1865	156	168	147	161	160	218	175	216	144	161	238	190
1866	160	170	147	158	155	215	180	200	143	166	232	183
1867	172	168	135	151	148	210	177	172	139	163	218	188
1868	185	158	148	154	144	232	168	172	138	161	196	174
1869	179	156	138	153	140	203	164	170	133	160	175	168
1870	163	150	128	149	135	203	154	157	130	156	170	167
1871	157	136	121	148	134	194	139	159	135	150	173	146
1872	155	136	117	148	132	193	144	152	135	149	170	136
1873	158	136	112	147	127	187	137	158	130	147	167	134
1874	154	131	111	143	122	181	136	154	129	143	162	140
1875	146	128	109	144	121	169	134	155	126	139	157	140
1876	134	129	111	142	116	165	124	135	127	136	149	137
1877	152	125	109	142	113	163	127	122	122	129	145	136
1878	140	122	104	139	109	156	122	127	119	126	140	128
1879	145	121	103	141	110	162	118	114	118	121	127	125
1880	150	118	105	142	109	167	135	130	121	115	122	129

<sup>5</sup> When the maximum or minimum price was maintained for two years I have put it down to the credit of the earlier year. Board and rent are not included in the statements. The former was highest in 1865 and lowest in 1878; the latter highest in 1872 and lowest in 1879.

TABLE 20—(CONCLUDED).

*Arithmetic means of the different series of relative retail prices of the same commodities: by years, 1860-1880.*

No. of individual series	Cotton textiles	Eggs	Flour—rye	Flour—wheat	Lard	Mack-erel, pickled	Milk	Molas-ses	Mous-selines de laine	Mutton	Oil, coal	Pork, fresh
	84	9	7	13	9	7	7	17	12	20	8	14
1860	100	100	100	100	100	100	100	100	100	100	100	100
1861	127	92	103	109	98	93	122	106	128	108	94	122
1862	211	103	109	115	106	111	132	135	150	111	100	129
1863	319	122	157	160	120	125	154	184	185	123	154	143
1864	454	133	198	188	146	153	174	237	238	134	171	186
1865	411	167	215	206	174	149	172	230	206	153	174	210
1866	334	163	217	219	175	152	170	224	170	154	141	214
1867	263	174	210	214	173	149	171	217	134	155	127	213
1868	223	190	188	184	170	147	168	211	121	167	116	211
1869	186	155	179	176	182	150	164	209	113	151	98	204
1870	169	159	172	169	162	142	156	194	110	143	91	183
1871	145	159	152	151	126	152	131	194	99	137	69	154
1872	139	162	144	156	116	147	131	188	97	134	66	151
1873	131	159	146	151	112	149	126	183	97	131	61	152
1874	123	148	147	144	121	144	127	180	94	130	55	157
1875	115	150	145	138	130	147	127	168	92	125	51	159
1876	107	147	148	148	128	142	127	163	87	128	49	156
1877	102	140	150	147	111	131	131	166	85	124	50	148
1878	96	143	131	138	100	130	131	165	80	123	41	139
1879	95	143	129	126	97	118	131	148	80	119	36	136
1880	94	142	132	127	107	116	131	144	81	118	35	134

No. of individual series	Pork, preserved	Potatoes	Rent	Rice	Satinets, medium quality	Sirup	Soap, common	Starch	Sugar	Tea, Oolong or other good black	Veal	Wood, fuel
	30	8	36	9	11	7	8	8	25	9	21	19
1860	100	100	100	100	100	100	100	100	100	100	100	100
1861	107	103	98	113	117	103	96	102	104	104	108	114
1862	113	129	104	159	156	119	111	113	128	137	106	132
1863	127	144	114	187	188	144	139	135	148	175	117	152
1864	156	170	130	220	205	187	154	161	188	219	136	170
1865	182	173	135	217	192	189	164	178	192	268	147	176
1866	180	207	138	211	157	200	180	174	188	254	147	187
1867	178	166	134	191	138	212	165	177	170	245	150	182
1868	178	184	139	196	126	193	167	178	161	222	147	178
1869	172	161	142	188	121	190	164	171	162	207	146	187
1870	160	150	144	177	118	176	146	158	155	201	140	194
1871	144	164	147	169	112	158	145	139	148	175	130	178
1872	139	163	148	165	108	153	145	139	146	163	129	173
1873	134	165	145	161	106	148	132	133	138	147	126	177
1874	137	162	145	157	106	146	126	127	123	133	127	173
1875	138	150	141	141	104	137	124	125	125	124	122	165
1876	135	142	133	141	101	129	115	119	124	119	123	164
1877	131	171	132	139	97	129	115	113	121	105	116	145
1878	121	144	132	138	95	121	108	104	116	107	115	137
1879	118	145	130	130	95	120	104	103	113	102	114	136
1880	120	157	133	133	95	116	102	99	114	102	114	138

prices here depicted and the movements of wholesale prices shown in the preceding chapter. The most striking differences between the wholesale and retail price movements are that the latter show a rise instead of a fall of prices in 1861 and in 1866, and fall more slowly after 1866 and again after the crisis of 1873. This slower fall left the level of retail prices as compared with 1860 considerably higher than the level of wholesale prices at the end of the paper-standard period. Whereas in July, 1879, 57 out of 91 series of prices at wholesale had relative prices less than those of 1860, only 5 out of 34 retail series were in a similar position.

A more succinct exhibit of the retail-price movement is afforded by Table 21 which gives deciles for the series shown in Table 20, excepting rent and board. According to these figures there was a noticeable difference between the movements of retail and wholesale prices in 1861. More than one-half of the wholesale series stand below 100 in April, July and October, while the

TABLE 21.

*Relative retail prices of 34 commodities: by years, 1860-1880.*

NOTE.—Constructed from the series shown in Table 20, by the method explained on p. 19. For interpretation compare the explanation of Table 4 on p. 22.

Date	No. of series	Lowest rel. Price	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
1860	34	100	100	100	100	100	100	100	100	100	100	100
1861	34	90	93	98	103	103	104	106	108	113	122	128
1862	34	97	103	109	111	113	115	120	128	132	150	211
1863	34	113	120	125	129	140	143	151	154	167	185	319
1864	34	133	136	153	156	160	170	186	188	205	236	454
1865	34	144	149	160	168	174	176	190	206	216	230	411
1866	34	141	147	155	166	170	180	187	200	215	224	334
1867	34	127	138	149	165	170	172	177	188	212	217	263
1868	34	116	133	147	161	168	174	179	185	196	211	232
1869	34	98	133	146	156	162	164	172	179	187	208	209
1870	34	91	128	140	150	155	157	162	169	176	194	203
1871	34	69	121	131	137	144	146	152	157	164	175	194
1872	34	66	116	131	136	139	144	149	153	163	170	193
1873	34	61	112	126	131	134	137	147	151	159	167	187
1874	34	55	111	123	127	131	136	144	147	157	162	181
1875	34	51	109	122	125	127	134	139	145	150	159	169
1876	34	49	107	116	124	127	129	135	141	148	156	165
1877	34	50	102	111	116	122	127	131	139	147	152	171
1878	34	41	96	104	115	121	122	128	131	139	143	165
1879	34	36	95	103	113	118	118	121	127	136	145	162
1880	34	35	95	102	114	116	118	127	131	135	144	167



great majority of retail prices stand above 100. Probably the chief reason why the fall in wholesale rates did not extend generally to retail rates is to be found in its short duration. More surprising is the fact that retail prices appear to have risen in 1862 and 1863 somewhat more rapidly than wholesale prices. But in 1864 wholesale prices took the lead. After the war retail prices fell less promptly than wholesale prices—as was to be expected. The median, indeed, advanced from 1865 to 1866; but all the other deciles receded slightly. The fall of retail prices, though relatively slow, was relatively steady and appears not to have been interrupted, as was the fall of wholesale prices, by the speculative movement of the early '70's. While some one of the deciles occasionally moved upward, the general trend was unmistakably downward until 1879. Finally, the forward movement of prices in 1880 was much less pronounced in the retail than in the wholesale trade. The median of retail prices was steadily above the median for wholesale prices from 1867 to 1880; but the range of wholesale prices was wider and their upper deciles were generally higher than the corresponding figures in Table 21 until 1878. At the end of the period the relatively slow fall of retail prices had opened up a wide gap between the two sets of figures—the median for 1880 standing in one case at 118 and in the other at about 105 for the year as a whole.\*

Greater steadiness of movement on the part of retail prices usually characterizes comparisons of this sort. But in the present case the contrast is exaggerated by the facts, (1) that the retail quotations used are average prices for each year, while the wholesale prices are supposedly prices on definite dates; (2) that all of the series which enter into Table 21 are themselves averages of a number of single series, while the same is true of only a part of the series which enter into Table 4; and (3) that the variety of articles for which retail prices are available is much less than in the case of wholesale prices. These same facts explain the narrower range of fluctuations shown by retail prices and the somewhat higher degree of concentration about the median. If the

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\* The reasons for the similarities and differences between the fluctuations of relatives prices at wholesale and retail are discussed in Chapter V, section iii.

method employed in making Table 5 from Table 4, were applied to make a table showing the distribution of the relative retail prices of Table 21 over the field covered by the fluctuations, it would show the average number of points in the price-scale between the lowest and highest relative retail prices to be 135.9, as against 422.5 points in the case of relative wholesale prices. But the result would be different if, instead of using as the basis of computation the averages of the different series for the same commodities given in Table 21, one should use the different series themselves. The latter method would give for example an extreme range of 406 points between the lowest and highest relative prices in 1880, while Table 21 shows a range of only 132 points.

### *III.—Relative Prices of 21 Commodities at Retail and at Wholesale.*

The broad comparisons between the movements of prices at retail and wholesale made in the last section are subject to the objection that the two lists of commodities are very different. It is therefore desirable to arrange a comparison between identical lists of commodities at retail and wholesale. Unfortunately, there are but 21 commodities in the retail tables which are substantially duplicated in the wholesale tables; and in dealing with these commodities we must assume that averages of the four wholesale quotations for each year represent average annual prices. The relative prices of these 21 commodities at retail and wholesale are shown in Table 22, and a succinct statement of the net results of the comparison is given in Table 23.

The series for the individual commodities show in most cases the kind of differences which might be expected—the wholesale prices exhibit a higher degree of variability from year to year, more extreme advances, and greater declines. The averages for all the commodities substantiate the conclusions drawn in the preceding section. Retail prices rise while wholesale prices fall in 1861; they advance more rapidly in 1862, lose a shade of their advantage in 1863, and are definitely passed in 1864. After 1866 they fall steadily until 1879, while wholesale prices show an upward turn in 1868 and again in 1873. But the fall of retail prices, while steadier, is slower so that they stand in 1879 well

TABLE 22.  
Relative prices of 21 commodities at wholesale and retail: by years, 1860-1880.

Commodities	No. of Series	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870
Sheetings: brown, 4 — 4 Atlantic A. .... W.	1	100	109	199	407	610	480	299	220	195	188	174
Sheetings: brown, 9 X 8 Standard ..... R.	11	100	135	233	852	469	405	328	275	289	209	183
Shirtings: bleached, 4 — 4 N. Y. Mills ..... W.	1	100	98	131	222	331	332	302	232	178	164	148
Shirtings: bleached, 4 X 4 Standard ..... R.	13	100	123	207	335	511	447	366	266	234	176	160
Tickings: Amoskeag, A. C. A. .... W.	1	100	98	151	266	482	451	396	278	204	191	183
Tickings: good quality ..... R.	12	100	130	187	237	335	324	271	218	194	171	164
Flour: rye ..... W.	1	100	80	100	117	163	165	142	172	185	165	136
Flour: rye ..... R.	7	100	103	109	157	198	215	217	210	188	179	173
Meal: corn, yellow, kiln-dried ..... W.	1	100	85	84	117	178	168	122	156	161	138	131
Meal: corn ..... R.	9	100	111	118	143	174	190	183	168	174	168	167
Beans ..... W.	1	100	109	143	150	148	133	151	210	273	198	131
Beans ..... R.	9	100	104	122	142	156	156	160	172	185	179	163
Rice: Carolina prize ..... W.	1	100	114	163	.....	.....	244	273	222	210	103	173
Rice ..... R.	9	100	113	159	.....	.....	217	211	191	196	188	177
Sugar: fair refined ..... W.	1	100	84	116	153	233	198	159	160	166	171	147
Sugar: good brown ..... R.	10	100	101	123	145	200	198	202	182	170	172	156
Molasses: N. O. prime ..... W.	1	100	83	99	112	219	251	236	177	186	179	177
Molasses: N. O. .... R.	7	100	101	138	182	232	235	230	215	210	205	200
Molasses: Porto Rico, best ..... W.	1	100	89	105	133	220	220	185	182	174	174	171
Molasses: Porto Rico ..... R.	10	100	111	131	186	241	225	217	219	212	213	188

TABLE 22—(CONTINUED).  
*Relative prices of 21 commodities at wholesale and retail: by years, 1860-1880.*

Commodities	No. of		Series															
				1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870				
Butter .....	W.	1	100	82	99	124	206	209	237	174	231	221	185					
Butter .....	R.	9	100	93	110	129	188	218	215	210	232	203	208					
Cheese .....	W.	1	100	81	75	125	173	184	190	164	160	188	150					
Cheese .....	R.	9	100	90	97	113	153	175	180	177	168	164	154					
Eggs .....	W.	1	100	83	90	119	150	168	163	157	184	179	179					
Eggs .....	R.	9	100	92	103	122	133	167	168	174	190	155	159					
Potatoes: white .....	W.	2	100	102	102	109	189	157	156	178	210	138	143					
Potatoes .....	R.	8	100	103	129	144	170	173	207	166	184	161	150					
Starch: laundry .....	W.	5	100	98	96	120	166	189	162	173	173	162	157					
Starch: laundry .....	R.	8	100	102	113	135	161	178	174	177	178	171	158					
Beef: ribs .....	W.	1	100	98	91	104	146	198	177	175	177	175	175					
Beef: fresh, roasting pieces .....	R.	10	100	106	109	130	156	169	169	171	167	162	155					
Mutton .....	W.	1	100	98	93	112	136	171	160	157	164	167	171					
Mutton .....	R.	20	100	108	111	123	134	153	154	155	167	151	143					
Pork: salt mess .....	W.	1	100	91	66	82	182	173	172	128	146	169	155					
Pork: corned or salted .....	R.	7	100	112	117	141	176	210	208	201	210	205	185					
Lard .....	W.	1	100	78	69	89	136	170	147	109	137	154	128					
Lard .....	R.	9	100	98	106	120	146	174	175	173	179	182	162					
Coal: anthracite, stove .....	W.	4	100	101	91	156	237	239	247	144	135	161	133					
Coal: anthracite .....	R.	6	100	103	115	167	205	216	200	172	172	170	157					
Coal: bituminous .....	W.	1	100	95	130	150	191	211	178	156	140	142	130					
Coal: bituminous .....	R.	6	100	105	115	151	154	144	143	139	133	133	180					

TABLE 22—(CONTINUED).  
*Relative prices of 21 commodities at wholesale and retail: by years, 1860-1880.*

Commodities	No. of Series	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Sheetings: brown, 4—4 Atlantic A. ....	W. 1	153	164	159	185	122	103	99	92	91	100
Sheetings: brown, 9 X 8 Standard .....	R. 11	142	134	125	119	114	105	102	98	95	96
Shirtings: bleached, 4—4 N. Y. Mills .....	W. 1	134	135	126	119	97	88	82	72	74	83
Shirtings: bleached, 4 X 4 Standard .....	R. 13	158	147	136	126	116	109	103	94	95	96
Tickings: Amokeag, A. C. A. ....	W. 1	160	159	155	138	131	104	90	89	84	93
Tickings: good quality .....	R. 12	140	139	130	125	120	112	109	103	103	104
Flour: rye .....	W. 1	144	128	143	139	131	129	123	89	90	126
Flour: rye .....	R. 7	152	144	146	147	145	148	150	131	129	132
Meal: corn, yellow, kiln-dried .....	W. 1	108	99	95	120	116	87	84	76	69	82
Meal: corn .....	R. 9	146	136	134	140	140	137	136	128	125	129
Beans .....	W. 1	143	176	179	165	122	88	146	100	83	94
Beans .....	R. 9	157	155	158	154	146	134	152	140	145	150
Rice: Carolina prime .....	W. 1	186	196	188	184	174	146	145	141	146	158
Rice .....	R. 9	169	165	161	157	141	141	139	138	130	133
Sugar: fair refining .....	W. 1	136	131	121	116	117	120	133	110	96	113
Sugar: good brown .....	R. 10	153	152	143	138	124	124	126	118	113	116
Molasses: N. O. prime .....	W. 1	134	125	148	152	136	108	96	80	71	111
Molasses: N. O. ....	R. 7	201	196	187	178	172	162	164	162	156	149
Molasses: Porto Rico, best .....	W. 1	150	126	159	164	139	141	150	111	97	121
Molasses: Porto Rico .....	R. 10	186	179	179	182	163	163	168	168	139	139

TABLE 22—(CONCLUDED).  
Relative prices of 21 commodities at wholesale and retail: by years, 1860-1880.

Commodities		No. of Series	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Butter .....	W.	1	172	157	160	176	161	165	145	145	119	156
Butter .....	R.	9	194	193	187	181	169	165	163	156	162	167
Cheese .....	W.	1	134	147	141	144	145	127	132	106	80	123
Cheese .....	R.	9	139	144	137	136	134	124	127	122	118	135
Eggs .....	W.	1	143	151	161	161	148	131	121	97	103	97
Eggs .....	R.	9	159	162	159	148	150	147	140	143	143	142
Potatoes: white .....	W.	2	188	123	169	165	133	116	160	109	137	99
Potatoes .....	R.	8	164	163	165	162	150	142	171	144	145	157
Starch: laundry .....	W.	5	150	142	142	142	137	127	124	113	103	103
Starch: laundry .....	R.	8	139	139	133	127	125	119	113	104	103	99
Beef: ribs .....	W.	1	167	161	153	147	147	135	130	116	112	112
Beef: fresh, roasting pieces .....	R.	10	142	141	142	137	135	136	130	123	120	118
Mutton .....	W.	1	155	181	167	176	162	162	157	129	125	126
Mutton .....	R.	20	137	134	131	130	125	128	124	123	119	118
Pork: salt mess .....	W.	1	93	76	90	104	118	114	85	59	53	74
Pork: corned or salted .....	R.	7	160	151	145	157	163	153	148	128	124	128
Lard .....	W.	1	106	76	72	96	119	108	85	65	55	67
Lard .....	R.	9	126	116	112	121	130	128	111	100	97	107
Coal: anthracite, stove .....	W.	4	141	122	134	144	146	128	85	93	72	103
Coal: anthracite .....	R.	6	159	152	158	154	155	135	122	127	114	130
Coal: bituminous .....	W.	1	129	130	134	132	120	103	93	82	86	99
Coal: bituminous .....	R.	6	135	135	130	129	126	127	122	119	118	121

above the level of 1860, though wholesale prices are decidedly below it. And it again appears that the advance of 1880 over 1879 is much less marked in the case of retail prices. The 1st and 9th deciles further show that during most of the time the aver-

TABLE 23.

*Relative prices of identical lists of commodities at wholesale and retail: by years, 1860-1880.*

NOTE.—Constructed from the series shown in Table 22.

	1st deciles		Medians		9th deciles		Arithmetic means	
	Retail prices	Wholesale prices	Retail prices	Wholesale prices	Retail prices	Wholesale prices	Retail prices	Wholesale prices
1860	100	100	100	100	100	100	100	100
1861	93	82	104	95	123	109	107	94
1862	106	75	117	99	187	151	131	109
1863	120	89	143	120	237	222	168	148
1864	134	136	174	182	335	331	215	225
1865	156	163	198	198	324	332	219	224
1866	160	147	202	177	271	299	208	203
1867	166	144	182	173	219	222	193	177
1868	167	140	185	177	232	210	190	180
1869	155	142	172	171	205	193	177	172
1870	150	131	162	155	188	179	166	156
1871	137	108	153	143	186	172	155	144
1872	134	99	147	135	179	176	151	138
1873	130	95	143	148	179	169	148	143
1874	125	116	140	144	178	176	145	144
1875	120	117	140	133	163	161	140	134
1876	112	88	135	120	162	146	135	120
1877	109	85	130	123	164	150	134	117
1878	100	72	127	97	156	129	127	99
1879	97	69	120	90	145	125	123	93
1880	99	82	129	103	150	126	127	107

age variations of the relative retail prices of the 21 commodities in different towns were confined within a narrower range than the variations of the relative wholesale prices of the same commodities in central markets.

#### *IV.—Relative Prices of Commodities at Retail and of Gold.*

Chart V, facing p. 78, serves not only to present graphically the movements of retail prices as shown in Table 21, but also to afford the best attainable data for comparing the fluctuations in retail prices and in the premium on gold. Its similarity with Chart III obviates the necessity of special explanation of its meaning.







The differences between the movements of retail prices and of gold are similar in character to the differences between the movements of wholesale prices and of gold, but more pronounced in degree. Gold advanced more rapidly in price during the war than the majority of wholesale prices and fell more rapidly after January, 1865. Similarly, wholesale prices advanced more rapidly in the latter part of the war than retail prices, and then fell more rapidly. The result is that the average annual price of gold stands in 1864 higher than the 7th decile for retail prices, and then drops sharply to the neighborhood of the 1st decile, where it remains until resumption of specie payments.<sup>7</sup> These wide differences between the movements of retail prices and of gold are due to the fact that the influence of the fluctuations in the gold valuation of the paper money was communicated to retail prices at second hand. The more highly organized and more sensitive wholesale markets show the effects of this influence much more clearly—though even they were not ruled wholly by this factor. In their turn retail markets were affected by the alterations in wholesale prices—though they also show the effect of other factors. Thus the influence of fluctuations in the specie value of the currency appears in greatly modified form in the retail-price tables.<sup>8</sup>

*V.—Relative Prices of 35 Commodities at Retail in Eastern and Western States.*

The wide distribution of the towns from which Mr. Weeks collected his data for retail prices makes it possible to institute a comparison between the changes in the relative prices of the same articles in different sections of the northern states. The grouping of states into east and west used here is arranged in view of the fact that the wage-data of the *Aldrich Report*, analyzed in the next chapter, come almost wholly from towns east of Ohio. To put the retail-price tables into form for comparison with these wage-tables, averages of relative prices at retail have been computed first for the states of Massachusetts, Connecticut,

<sup>7</sup> The reader may wish to turn again to the explanation of the term "deciles," p. 19 above.

<sup>8</sup> See Chapter V; section iii, below.

New York, New Jersey, Pennsylvania, Maryland, and West Virginia; second for the states of Ohio, Indiana, Illinois, Iowa, Missouri, and Kentucky. The method followed in making up these two sets of averages and constructing tables from them is identical with the method described in the first section of this chapter, except that the series for house-rent has been admitted to the table.

The results, shown in Table 24, indicate that the advance in retail prices in 1861 was confined to the eastern states. In the west, as many articles fell as rose in price. In 1862, however, the rise of prices was somewhat more rapid in the west than in the east, and from 1863 to 1880 the level in the west was distinctly

TABLE 24.

*Relative retail prices of identical lists of commodities in Eastern and Western States: by years, 1860-1880.*

NOTE.—Compare the note on Table 21, and the explanation on pp. 77, 78.

Year		Lowest										Highest	
		No. of Series	rel. price	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	rel. price
1860	E.	35	100	100	100	100	100	100	100	100	100	100	100
	W.	35	100	100	100	100	100	100	100	100	100	100	100
1861	E.	35	92	100	102	104	105	108	109	113	116	133	171
	W.	35	81	85	92	96	97	100	101	104	111	121	134
1862	E.	35	88	104	106	110	116	119	130	137	144	157	232
	W.	35	85	97	102	103	108	115	122	131	133	140	198
1863	E.	35	105	114	122	125	132	134	141	159	168	188	325
	W.	35	105	116	118	133	139	145	154	167	182	198	316
1864	E.	35	123	134	140	149	151	162	167	184	213	237	423
	W.	35	113	134	146	157	164	169	175	199	233	238	474
1865	E.	35	132	150	158	162	167	171	178	209	222	231	397
	W.	35	124	134	149	157	167	179	182	211	231	269	420
1866	E.	35	138	148	153	159	173	178	184	191	197	211	316
	W.	35	124	133	144	152	164	183	190	210	256	260	345
1867	E.	35	128	139	145	149	157	173	176	180	195	209	238
	W.	35	116	131	132	153	163	181	190	213	217	258	279
1868	E.	35	116	136	144	153	163	169	172	184	187	205	229
	W.	35	110	121	132	150	162	186	196	198	204	234	291
1869	E.	35	98	129	139	144	152	167	172	177	184	201	220
	W.	35	93	117	134	142	157	165	181	193	199	211	248





TABLE 24—(CONCLUDED).

*Relative retail prices of identical lists of commodities in Eastern and Western States: by years, 1860-1880.*

Year		No. of Series	Lowest rel. price	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
1870	E.	35	93	124	131	136	144	155	160	165	176	183	202
	W.	35	85	117	134	142	151	159	170	175	196	211	228
1871	E.	35	69	118	120	125	130	138	143	157	162	171	186
	W.	35	69	119	129	137	140	148	167	173	181	188	224
1872	E.	35	64	112	114	124	129	134	139	149	160	170	182
	W.	35	69	119	125	136	139	149	164	172	175	185	220
1873	E.	35	59	107	113	121	127	137	143	151	167	175	180
	W.	35	69	110	126	130	132	142	155	163	168	176	208
1874	E.	35	50	108	115	122	125	134	137	151	160	169	178
	W.	35	69	110	123	126	132	139	146	161	166	182	191
1875	E.	35	44	109	114	116	126	132	134	141	154	164	171
	W.	35	69	110	121	123	130	135	143	150	161	173	186
1876	E.	35	42	100	106	117	121	131	131	134	142	157	167
	W.	35	69	107	117	124	127	130	136	149	156	172	190
1877	E.	35	44	100	104	116	119	123	127	134	141	147	176
	W.	35	69	96	109	115	120	130	133	148	156	173	196
1878	E.	35	34	98	99	104	114	121	125	127	132	139	180
	W.	35	62	93	109	112	118	126	130	146	150	159	180
1879	E.	35	33	92	98	104	109	112	121	127	130	134	155
	W.	35	45	93	104	110	114	126	130	138	142	154	190
1880	E.	35	32	79	98	108	111	120	121	129	134	139	155
	W.	35	45	93	104	110	114	120	132	137	142	162	194

higher. In 1869, 1876 and 1880 to be sure, the eastern median was slightly higher than or equal to the western median; but the other deciles show that the general level was higher in the west even in these years.

#### *VI.—Relative Retail Prices of the Same Commodities in Different Towns.*

Study of the differences in the price-fluctuations of the same commodity in different places can be carried further by examining Table IV of the appendix. There the relative prices of each of Weeks's 60 "necessaries of life" in all the towns from which

satisfactory quotations were obtained, are published side-by-side. The differences between the relative prices are often very wide—particularly in the later years. In 1880, for example, there is a difference of 140 points between relative prices of hard wood in Reading, Pennsylvania and Cedar Rapids, Iowa. Other commodities show still wider ranges of variation—potatoes 150 points, rye flour 160 points, corn meal 161 points, eggs 225 points, and butter 350 points. These extreme variations in the relative prices of the same commodity in different towns are all wider than the variation in 1880 between the lowest and highest of the 34 series of average relative prices used in making Table 21 (132 points). But if the average of the extreme differences between the relative prices of the same commodities in different towns is taken, it is found to be much less—namely, 94.5 points.

This wide range of variation shows that it would be desirable to have the average relative prices for each article based on quotations from a larger number of towns; but it does not throw serious discredit on the accuracy of the quotations which we do possess. (1) Wide variations in relative prices at retail are to be expected in any large collection of data covering a considerable territory and extending over a number of years. For example, on looking over the retail-price data of the *Eighteenth Annual Report of the Commissioner of Labor* I find the relative price of eggs in 1903, computed on the basis of prices in 1897, varying from 99 in Montgomery, Alabama, to 183 in Detroit, Michigan. Wider variations are not necessarily disquieting in a table which covers a period three times as long, characterized by violent changes in the general price-level, and beginning at a time when local retail markets were less closely connected than now. (2) The wide variations between the relative prices of the same commodities in different towns in 1880, are due in part to the fact that the differences between actual retail prices were reduced between 1860 and 1880. In some cases a wide difference in relative prices in 1880 is due solely to the fact that a difference in actual prices existing in 1860 had been wiped out by 1880. This bringing of actual prices in different towns into closer harmony is probably due mainly to improvements in transportation and communication, and to centralization in the manufacturing and selling of

many commodities, with its accompanying standardization of grades and closer control over prices. Table 25 has been arranged to show the importance of this factor. The extreme relative prices in different towns in 1880 have been entered for each of Weeks's 60 necessities.\* Then the differences between the actual

TABLE 25.

*Extreme range of relative retail prices of 60 commodities shown by Table 4 of the Appendix in 1880, and differences of corresponding actual prices in 1860 and 1880.*

NOTE.—See the explanations on pp. 80-82.

Serial No.	Commodities	Extreme rel. prices in 1880		Differences between actual prices in towns where extreme rel. prices occurred in 1880	
		Lowest	Highest	1860	1880
1	Beans	100	200	\$ .05	\$ .00
2	Beef—roasting pieces	80	156	.045	.025
3	rump steaks	91	140	.01	.04
4	soup pieces	100	200	.025	.005
5	Beef—corned	75	144	.01	.07
6	Board—Men	75	233	2.50	.50
7	Women	75	200	2.00	1.00
8	Boots	75	150	.00	3.00
9	Butter	67	417	.24	.05
10	Cheese	100	163	.10	.05
11	Coal—anthracite	100	170	3.50	1.75
12	Coal—bituminous	96	150	1.62	.75
13	Codfish	80	160	.05	.00
14	Coffee—green	80	188	.17	.05
15	roasted	83	200	.20	.05
16	Corn meal	52	213	3.37	.68
17	Cotton textiles—flannels	83	120	.0667	.025
18	prints	64	100	.035	.01
19	sheetings—bleached	50	120	.15	.005
20	sheetings—brown	63	135	.1225	.02
21	shirtings—bleached	67	150	.07	.02
22	shirtings—brown	72	167	.065	.01
23	tickings	77	156	.005	.18
24	Eggs	75	300	.15	.00
25	Flour—rye	90	250	3.00	.50
26	Flour—wheat—extra	84	220	2.25	1.50
27	wheat—superfine	93	200	4.50	1.00
28	Lard	71	160	.0283	.0687
29	Mackerel	63	200	.04	.03
30	Milk	100	167	.02	.00
31	Molasses—New Orleans	100	175	.20	.10
32	Porto Rico	100	171	.14	.045

\* When one of the extreme relative prices of an article occurs in two or more towns in 1880, I have arbitrarily taken as the basis for computation actual prices in the town which stands first in Weeks's tables.



TABLE 25—(CONCLUDED).

*Extreme range of relative retail prices of 60 commodities shown by Table 4 of the Appendix in 1880, and differences of corresponding actual prices in 1860 and 1880.*

Serial No.	Commodities	Extreme rel. prices in 1880		Differences between actual prices in towns where extreme rel. prices occurred in 1880	
		Lowest	Highest	1860	1880
33	Mousselines de laine	55	167	\$ .18	\$ .07
34	Mutton—chops	100	150	.08	.04
35	fore-quarters	80	140	.0529	.0125
36	leg	86	133	.02	.06
37	Oil—coal or carbon	11	57	.77	.08
38	Pork—fresh	89	200	.0475	.0133
39	shoulders	85	167	.07	.01
40	Pork—bacon	69	182	.125	.025
41	corned	72	182	.07	.01
42	hams	75	167	.125	.025
43	sausages	80	129	.0425	.00
44	Potatoes	100	250	.40	.10
45	Rent—4-room houses	60	240	5.00	6.00
46	6-room houses	75	200	3.00	9.00
47	Rice	100	167	.02	.02
48	Satinets	68	136	.515	.275
49	Syrup	94	133	.20	.05
50	Soap	70	175	.06	.00
51	Starch	80	160	.05	.00
52	Sugar—brown	88	150	.025	.015
53	yellow B	82	167	.05	.01
54	yellow C	90	143	.03	.01
55	Tea	67	167	.30	.10
56	Veal cutlets	100	143	.01	.05
57	fore-quarters	71	133	.01	.03
58	hind-quarters	89	156	.01	.045
59	Wood—hard	100	240	1.50	2.00
60	pine	100	178	1.00	4.50

*Number of cases in which the difference between actual prices is:*

Greater in 1860 than in 1880 .....	46
Greater in 1880 than in 1860 .....	13
The same in 1880 as in 1860 .....	1
Whole number of cases .....	60

prices of each commodity in the towns where these extreme relative prices occurred in 1880 have been computed for both 1860 and 1880. The result is to show that in more than three-fourths of the cases the difference between actual prices was less at the latter date.

*VII.—Relative Cost of Living.*

The preceding tables are designed primarily to afford material for studying the influence of the paper standard on prices at retail. Accordingly they have been made like the tables of wholesale prices, without the use of weights. But when in the next chapter we begin to study the effects of the paper standard on the economic fortunes of wage-earners we shall need tables which show changes in the relative money cost of living. It is therefore desirable to construct a second set of retail-price tables in which each commodity for which we have data is weighted as nearly as possible in accordance with its relative importance as an item of cost in the family budget.

Weights for this purpose, readily applicable to the majority of our series, can be obtained from the detailed statistics of the expenditures of 2,567 families published in the *Eighteenth Annual Report of the Commissioner of Labor*. The average sums expended by these families for fresh beef, fresh pork, salt pork, eggs, milk, butter, cheese, lard, tea, coffee, sugar, rice, potatoes, and rent can be applied directly as weights to our corresponding series of relative prices at retail. Other items require the making of rough estimates and allowances. Mutton and veal are each given one-half the Bureau's weight for "other meat"; corned beef one-half its weight for "salt beef;" wheat flour two-thirds and rye flour and corn meal each one-sixth its weight for "flour and meal;" molasses and syrup each one-half its weight for "molasses;" beans one-quarter its weight for "other vegetables;" anthracite and bituminous coal each two-fifths and wood one-fifth its weight for "fuel;" coal oil one-half its weight for "lighting." Soap and starch are arbitrarily assigned weights of 2 and 1 out of a total of 557. To get weights for textiles and boots is more difficult. I have had recourse to the table published in the *Aldrich Report*, Part 1, p. 84, showing the relative importance as items of expenditure of the various articles of clothing purchased by husbands, wives, and children of working-men's families, and have applied the relative figures there given to the less detailed absolute figures of the Labor Bureau's report, in order to obtain a new set of weights computed on the same basis as those for the

other series. For the series "men's heavy boots" I took from the *Aldrich Report* only the expenditure of husbands on "boots and shoes"—omitting the expenditure of wives and children. For the textile series I took from the *Aldrich Report* the total of expenditures for husbands' "shirts," wives' "dresses, cloaks and shawls," children's "dresses, etc." and children's "shirts." This total I divided between the series for cotton textiles, mouselines de laine, and satinets in the proportions of seven-ninths, one-ninth, and one-ninth respectively. The weights thus allotted to each of the 35 series are shown in Table 26.

TABLE 26.

*Weights allotted to the 35 series of relative retail prices used in making tables of relative cost of living.*

NOTE.—Proportions of expenditure are based on the ratio 1,000 = \$768.54, which is the average expenditure of 2,567 families for which the Bureau of Labor obtained detailed budgets. (18th Annual Report of the Commissioner of Labor, p. 496 ff.) For further explanations, see pp. 83, 84.

Commodity	Actual expenditure \$	Proportion of total expenditure Per mille.	Commodity	Actual expenditure \$	Proportion of total expenditure Per mille.
1 Beef—fresh	50.05	64	25 Coal—anthracite	12.89	17
2        "  corned	2.63	3	26        "  bituminous	12.90	17
3 Pork—fresh	14.02	18	27 Wood	6.45	8
4        "  preserved	13.89	18			
5 Mutton	4.89	6	Total fuel	32.24	42
6 Veal	4.89	6			
7 Codfish	2.00	3	28 Oil	4.08	5
8 Mackerel	2.00	3			
9 Flour—wheat	11.17	15	Total lighting	4.08	5
10       "  rye	2.79	4			
11 Corn meal	2.80	4	29 Cotton textiles	14.84	19
12 Eggs	16.79	22	30 Mouselines de laine	2.12	3
13 Milk	21.32	28	31 Satinets	2.12	3
14 Butter	28.76	37	32 Boots	4.91	6
15 Cheese	2.62	3			
16 Lard	9.35	12	Total clothing	23.99	31
17 Tea	5.30	7			
18 Coffee	10.74	14	33 Rent	122.92	160
19 Sugar	15.76	21			
20 Molasses	.85	1	34 Soap	1.20	2
21 Syrup	.84	1	35 Starch	1.00	1
22 Rice	2.05	3			
23 Potatoes	12.93	17	Total sundries	2.20	3
24 Beans	4.71	6			
Total food	243.15	316	Grand total	428.58	557

This table shows that the retail-price series, at the weights allotted each, cover about 56% of total family expenditures. The different classes of expenditure are represented with unlike degrees of completeness:—rent and fuel 100% of the total outlay for these purposes, food 74%, lighting 50%, clothing 21%, other classes 1.4%. On the basis of the Bureau's estimate of \$768.54 as the average annual expenditure of 2,567 families, the items included in our table make \$428.58, and the items omitted \$339.96. The omitted items may be expressed as \$84 for food, \$91 for clothing, and \$160 for a variety of goods—liquors and tobacco, furniture, insurance, sickness and death, labor unions and other organizations, amusements, religion and charity, etc.<sup>10</sup>

What has been shown regarding the materials at our disposition makes it clear that a high degree of accuracy cannot be claimed for tables of relative cost of living constructed from them. (1) The relative prices for our commodities are computed from retail price quotations from a small number of towns. This number ranges from as many as 22 in the case of boots to as few as 4 in the case of anthracite coal. (2) A considerable element of conjecture enters into the determination of some of the weights. (3) All the weights are drawn from budgets collected after 1900 and applied to prices prevailing in 1860 to 1880. (4) The material covers but 56% of the total cost of living. Acceptance of the results at their face value involves the assumption that the remaining 44% of the cost of living was subject to the same changes as our figures show for 56%. (5) The application of a constant set of weights to series of relative prices over a long period of

<sup>10</sup> The Bureau's figures for 2,567 families, which I use because of their detailed character, do not show the average expenditure on each kind of goods noted for all families, but the average expenditure for those families which bought the goods. It matters little, however, which form of average is used. This conclusion is justified by the following comparison between the averages obtained by the Bureau in one way for 2,567 families with detailed budgets, and in the other way, for 11,156 "normal families."

	2,567 Families	11,156 "Normal" Families
Food	42.5%	43.1%
Rent	16.0	18.1
Fuel	4.2	4.6
Lighting	1.1	1.1
Clothing	14.9	13.0

See *Eighteenth Annual Report of the Commissioner of Labor*, 1903, pp. 510, 569.

years is theoretically objectionable, because changes in the comparative cost of different articles leads to more extended use of some and restricted use of others. These considerations show the impropriety of accepting the tables which follow as an accurate index of variations in the cost of living. But, despite their shortcomings, these tables deserve to be regarded as a closer approximation to such an index than either the unweighted tables of prices at retail, or weighted tables of prices at wholesale such as Falkner has constructed.

To show clearly the effects of weighting on the results obtained from the retail-price series, the simple and weighted deciles are presented side by side in Table 27. In general, the difference between the two sets of figures is that the weighted set shows less

TABLE 27.

*Relative retail prices, simple and weighted: by years, 1860-1880.*

NOTE.—The simple deciles are taken from Table 21. The weighted deciles are made from the same series, with the addition of one series for house-rent, by applying the weights shown in Table 26.

Date	Sim- ple or weight- ed	No. of series	Lowest rel. price	1st decile	2nd decile	3rd decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
1860	S	34	100	100	100	100	100	100	100	100	100	100	100
	W	35	100	100	100	100	100	100	100	100	100	100	100
1861	S	34	90	93	98	103	103	104	106	108	113	122	128
	W	35	90	93	98	98	98	103	104	108	110	122	128
1862	S	34	97	103	109	111	113	115	120	128	132	150	211
	W	35	97	104	104	104	110	112	113	115	128	132	211
1863	S	34	113	120	125	129	140	148	151	154	167	185	319
	W	35	113	114	114	117	127	129	129	144	154	167	319
1864	S	34	133	136	153	156	160	170	186	188	205	236	454
	W	35	130	130	130	133	154	156	170	174	188	205	454
1865	S	34	144	149	160	168	174	176	190	206	216	230	411
	W	35	135	135	135	144	167	168	173	182	210	218	411
1866	S	34	141	147	155	166	170	180	187	200	215	224	334
	W	35	138	138	138	143	163	170	170	188	214	219	334
1867	S	34	127	138	149	165	170	172	177	188	212	217	263
	W	35	127	134	134	134	166	168	171	174	210	214	263
1868	S	34	116	133	147	161	168	174	179	185	196	211	232
	W	35	116	139	139	139	158	161	172	179	190	223	232

TABLE 27—(CONCLUDED).

*Relative retail prices, simple and weighted: by years, 1860-1880.*

Date	Sim- ple or weight- ed	No. of series	Lowest rel. price	1st decile	2nd decile	3rd decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
1869	S	34	98	133	146	156	162	164	172	179	187	203	209
	W	35	98	142	142	142	155	156	162	170	179	203	209
1870	S	34	91	128	140	150	155	157	162	169	176	194	203
	W	35	91	144	144	144	150	150	156	159	169	183	203
1871	S	34	69	121	131	137	144	146	152	157	164	175	194
	W	35	69	131	136	144	147	147	147	151	159	173	194
1872	S	34	66	116	131	136	139	144	149	153	163	170	193
	W	35	66	131	136	139	146	148	148	149	156	170	193
1873	S	34	61	112	126	131	134	137	147	151	159	167	187
	W	35	61	126	134	136	145	145	145	147	158	167	187
1874	S	34	55	111	123	127	131	136	144	147	157	162	181
	W	35	55	127	131	131	137	145	145	145	154	162	181
1875	S	34	51	109	122	125	127	134	139	145	150	159	169
	W	35	51	125	127	128	138	141	141	141	150	159	169
1876	S	34	49	107	116	124	127	129	135	141	148	156	165
	W	35	49	124	127	129	133	133	133	135	147	156	165
1877	S	34	50	102	111	116	122	127	131	139	147	152	171
	W	35	50	113	122	125	131	132	132	132	145	152	171
1878	S	34	41	96	104	115	121	122	128	131	139	143	165
	W	35	41	109	121	122	130	132	132	132	139	143	165
1879	S	34	36	95	103	113	118	118	121	127	136	145	162
	W	35	36	110	118	121	125	130	130	130	131	145	162
1880	S	34	35	95	102	114	116	118	127	131	135	144	167
	W	35	35	109	118	120	127	132	133	133	134	150	167

mobility, advancing less rapidly during the war and falling less rapidly after the war. As a result, the price level shown by the weighted deciles is lower from 1861 to 1870, and higher from 1871 to 1880. For a considerable part of both the earlier and later periods the differences between the two sets of figures are rather wide. The weighted medians are 5, 10, even 14 points lower during the war; then the differences become less, in 1871 they turn the other way, and gradually the weighted medians become 5, 10, 14 points higher than the simple.

These differences are due in large measure to the series for house rent. Excluded from the table of simple deciles, this series has the greatest weight of any in the weighted table (See Table 26). On turning back to Tables 20 and 21, the reader will see that this series advanced but slowly during the war, did not reach its maximum until 1872, and then declined more slowly than most of the other series, standing in 1880 higher than the 7th decile of Table 21. With its weight of 160 parts out of 557, the series for rent covers nearly three-tenths of the cost of living for which we have data, and is therefore able to determine the position of at least two and sometimes of three of the deciles in the weighted table. Up to 1870 it ranks relatively low, fixing the 1st and 2d, or 2d and 3d, or 1st, 2d and 3d deciles, and giving also the lowest relative price from 1864 to 1866. In 1871, it advances in relative rank, and from that year to 1879 it fixes the median together with the 4th and 6th deciles, or the median and the 6th, or the median, 6th and 7th. In 1880, it stands above the median and fixes the 6th and 7th deciles.

If, now, we compare the figures for cost of living with the figures for the price of gold we find the differences pointed out in section iv reappearing in still more accentuated form. The simple deciles for retail prices were found to rise more slowly than the premium, then fall more slowly and not so far.<sup>11</sup> The weighted deciles, taken as representative of the cost of living, have now been found to rise still more slowly than the simple deciles, not to reach so high a point,—to decline more slowly and not so far. The forces which produced the quick and violent oscillations of the premium thus appear to have exercised less influence on the cost of living than on the general level of retail prices. Their influence is indubitable; but the cost-of-living curve deviates more radically than the retail-price curve from the form of the gold-premium curve, primarily because the influence of these forces encountered the powerful opposition of the sluggish movements of house-rent.

Finally, I have made separate tables for the relative cost of living in Eastern and Western States, corresponding to the tables of relative retail prices in east and west presented in section v.

<sup>11</sup> See p. 77, above.

The unweighted tables showed a higher level of retail prices in the West for all years after 1862. The new table shows substantially the same results for the years of the civil war, except that the difference between the eastern and western levels is in most cases somewhat wider. From 1866 on, however, the figures for cost of living in the two sections are in closer agreement than the unweighted figures for retail prices, and the western level instead of being uniformly higher, is lower than the eastern level in 1869 and 1873 to 1875. This change in the results of the comparison between east and west is primarily due to the influence of the series for house-rent. Table 29 which gives this series for east and west separately, shows that relative rents were higher in the east in 1861 and '62, higher in the west in 1863 to

TABLE 28.

*Relative cost of living in Eastern and Western States: by years, 1860-1880.*

NOTE.—Compare the notes upon Tables 27 and 24.

Year	East or West	No. of Series	Lowest Rel. Price	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Rel. Price
1860	E.	35	100	100	100	100	100	100	100	100	100	100	100
	W.	35	100	100	100	100	100	100	100	100	100	100	100
1861	E.	35	92	100	100	100	102	104	108	116	118	133	171
	W.	35	81	89	95	96	97	97	97	100	110	119	134
1862	E.	35	88	105	106	106	106	111	119	126	140	150	232
	W.	35	85	98	102	103	103	103	115	119	129	136	198
1863	E.	35	105	105	105	111	115	128	134	134	159	171	325
	W.	35	105	117	117	117	117	138	140	151	162	182	316
1864	E.	35	123	123	123	133	134	150	157	163	184	214	423
	W.	35	113	134	134	134	148	152	169	175	216	236	474
1865	E.	35	132	132	132	150	160	163	174	179	209	225	397
	W.	35	124	136	136	136	150	157	173	182	243	273	420
1866	E.	35	138	138	138	146	155	173	182	182	195	206	316
	W.	35	124	138	138	138	150	156	176	190	256	259	345
1867	E.	35	128	139	139	139	145	169	175	176	180	207	238
	W.	35	116	132	132	132	154	154	167	195	228	263	279
1868	E.	35	116	151	153	153	153	166	169	172	175	187	229
	W.	35	110	132	132	132	140	152	167	196	221	250	291
1869	E.	35	98	143	155	159	159	163	168	168	175	179	220
	W.	35	93	134	134	134	136	152	159	167	195	224	248
1870	E.	35	93	134	147	155	158	162	164	164	164	169	202
	W.	35	85	134	134	134	136	151	156	170	192	218	228



TABLE 28—(CONCLUDED).

*Relative cost of living in Eastern and Western States: by years, 1860-1880.*

Year	East or West	No. of Series	Lowest Rel. Price	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Rel. Price
1871	E.	35	69	125	131	143	143	153	158	164	164	164	186
	W.	35	69	125	132	140	140	140	145	167	179	186	224
1872	E.	35	64	120	129	134	143	147	160	166	166	166	182
	W.	35	69	125	132	137	139	139	142	167	175	185	220
1873	E.	35	59	123	129	142	142	147	162	167	167	167	180
	W.	35	69	126	126	132	134	134	134	161	167	176	208
1874	E.	35	50	122	130	134	137	143	160	160	160	165	178
	W.	35	69	122	125	133	136	136	136	150	162	182	191
1875	E.	35	44	116	130	132	134	141	154	159	159	159	171
	W.	35	69	121	121	125	132	132	132	148	161	180	186
1876	E.	35	42	117	131	131	133	134	142	142	142	147	167
	W.	35	69	117	124	125	129	129	129	142	156	179	190
1877	E.	35	44	116	119	125	131	134	139	139	139	143	176
	W.	35	69	110	116	121	129	129	129	134	157	180	196
1878	E.	35	34	104	118	125	126	127	132	139	139	139	180
	W.	35	62	110	113	118	129	129	129	133	156	161	180
1879	E.	35	33	103	112	121	127	128	130	130	130	134	155
	W.	35	45	110	112	117	130	130	130	133	140	158	190
1880	E.	35	32	107	116	121	125	131	135	137	137	137	155
	W.	35	45	109	114	120	130	132	132	133	142	164	194

TABLE 29.

*Relative house rents in Eastern and Western States: by years, 1860-1880.*

	East	West	East and West		East	West	East and West
1860	100	100	100	1871	164	140	147
1861	100	97	98	1872	166	139	148
1862	106	103	104	1873	167	134	145
1863	105	117	114	1874	160	136	145
1864	123	134	130	1875	159	132	141
1865	132	136	135	1876	142	129	133
1866	138	138	138	1877	139	129	132
1867	139	132	134	1878	139	129	132
1868	153	132	139	1879	130	130	130
1869	159	134	142	1880	137	132	133
1870	164	134	144				

'65, the same in 1866, and higher in the east in 1867 to '78. The higher relative rents in the east after the war offset in large measure the lower relative prices of the smaller items in the family budget, and so kept the eastern level of cost of living substantially as high as the western.

*VIII.—Arithmetic Means of Relative Prices at Retail and Relative Cost of Living.*

Table 30 gives the familiar form of average for the most important tables in this chapter. Arithmetic means are on the whole rather more satisfactory as representatives of the movement of retail prices than of wholesale prices, because the series from which they are computed show fewer and less extreme instances of very high relative prices. Nevertheless the arithmetic means stand above the medians more often than they stand below them—particularly during the civil war. And, as has been remarked several times, they do not give so correct an impression of the character of the fluctuations in prices as do the tables of deciles.

TABLE 30.

*Arithmetic means of relative retail prices, simple and weighted, in Eastern and Western States: by years, 1860–1880.*

NOTE.—The arithmetic means for the east and west separately are computed from the data used in making Tables 24 (simple) and 28 (weighted). Similarly, the arithmetic means for the east and west together are computed from the data used in making Tables 21 (simple) and 27 (weighted). For further explanations, see the notes upon these tables.

Year		East and			Year		East and		
		East	West	West			East	West	West
1860	Simple	100	100	100	1871	Simple	140	154	146
	Weighted	100	100	100		Weighted	148	152	149
1861	Simple	112	102	106	1872	Simple	136	151	143
	Weighted	111	100	104		Weighted	147	151	148
1862	Simple	129	119	123	1873	Simple	137	145	140
	Weighted	123	115	117		Weighted	149	145	145
1863	Simple	149	154	151	1874	Simple	135	142	137
	Weighted	137	143	140		Weighted	145	143	142
1864	Simple	179	188	184	1875	Simple	130	138	133
	Weighted	163	177	170		Weighted	141	139	138
1865	Simple	189	192	192	1876	Simple	125	135	130
	Weighted	175	182	179		Weighted	134	137	134
1866	Simple	181	192	187	1877	Simple	122	132	127
	Weighted	172	182	177		Weighted	131	135	132
1867	Simple	172	184	178	1878	Simple	116	127	121
	Weighted	164	175	169		Weighted	126	131	128
1868	Simple	169	179	174	1879	Simple	114	123	118
	Weighted	165	173	168		Weighted	123	130	126
1869	Simple	162	169	165	1880	Simple	115	124	119
	Weighted	163	162	161		Weighted	125	132	128
1870	Simple	152	162	157					
	Weighted	157	158	156					

## CHAPTER IV.

## RELATIVE WAGES.

For the study of wages during the years of the paper standard we have two large collections of data—one made in 1892 by the Bureau of Labor for the Senate committee which prepared the *Aldrich Report*, the other made in 1880 to 1882 by Mr. Joseph D. Weeks for the *Tenth Census*. The first collection is more detailed in that it shows the number and sex of the wage-earners and reports wages in January and July of each year; the second is more extensive in that it covers more industries, more establishments, and more states. The original data of the first collection were worked up under the direction of Professor Roland P. Falkner into the now celebrated tables of relative wages published in Part I of the *Aldrich Report*; but the methods used in constructing these tables were so faulty that I have thought it necessary to do the whole work over again. The data of the second collection were published in tabular form by Mr. Weeks in volume 20 of the *Tenth Census* without any attempt at analysis or generalization. Both collections are used in the present chapter; but the differences in form make it necessary to keep the two sets separate. However, a comparison between the general results which they yield is made in Section iii.

*I.—Tables of Relative Wages Based on Data from the Aldrich Report.*

*a.—Scope of the Data.*

The series of relative wages computed from data in the “exhibits” of the *Aldrich Report* are published at length in Table V of the appendix. In order to show succinctly the compass and character of this material, Table 31 is presented here. The titles of the industries are given as in the source. The “establishments” show the number of different factories, contracting firms, shops, business or municipal corporations which furnished the

TABLE 31.

*Conspectus of the data regarding wages obtained from the exhibits of the Aldrich Report.*

NOTE.—See the explanations on p. 92.

Industries	No. of estab- lish- ments	No. of Wage- series	Average No. of Wage- earners	States in which estab- lishments were located	No. of estab- lish- ments	No. of Wage- series
Agricultural implements	1	5	21	New Hampshire	4	14
Ale, beer, and porter	1	5	43	Massachusetts	21	222
Books and newspapers	3	17	120	Rhode Island	1	32
Building trades	21	42	436	Connecticut	9	63
Carriages and wagons	1	4	22	New York	25	122
City public works	4	22	953	New Jersey	2	5
Cotton textiles	3	105	715	Pennsylvania	11	42
Dry goods	1	3	10	Maryland	4	20
Ginghams	1	30	707	Ohio,	1	7
Groceries	1	2	4			
Illuminating gas	4	22	394			
Leather	2	16	61			
Lumber	2	5	34			
Metals and metallic goods	19	138	1,094			
Paper	1	7	33			
Railways	1	11	260			
Sidewalks	1	4	17			
Spices	1	4	19			
Stone	6	19	488			
White lead	1	4	10			
Woolen textiles	3	62	283			
All industries	78	527	5,733	All States	78	527

wage-records. "Series" means a set of wage-quotations covering the years 1860 to 1880 and showing the pay received by persons of one sex, employed at one kind of work in one establishment. The "average number of wage-earners" in each industry is the average number of persons reported as receiving the wages specified in January and July of the years 1860 to 1880.

It will be noticed that the material is confined mainly to wages for manual labor in manufacturing establishments. There are a few series for extractive industries—lumbermen and quarrymen—a few for railway employees, and a few for salesmen—under dry goods and groceries. There are also 22 series for employees of "city public works," but these series represent manual workers of sorts which contractors might employ. Agricultural laborers are not represented at all.

*b.—Methods of Compiling Tables of Relative Wages.*

The series taken from the "exhibits" of the *Aldrich Report* were copied on separate cards which had spaces for entering the page from which the data were obtained, the serial number by which the establishment was designated, the state in which it was situated, the industry to which it belonged, the occupation and sex of the employees, and vertical columns for dates, rates of wages, number of employees, and relative wages computed on the basis of actual wages in 1860. These cards were classified successively according to industries, occupations, and initial wages, and a distinct set of tables showing medians and deciles was made for each classification. In all classifications male and female employees were segregated. To determine the position of the deciles for any group, all the series belonging to it were listed in the order of their relative wages on tally-sheets—one for each date—ruled into columns for relative wages, number of series, number of employees, and cumulative sums. The cumulative sums showed the whole number of employees having on the date for which the tally-sheet was made, relative wages equal to and less than the relative wage opposite which they stood. When these cumulative sums had been cast and found correct, the whole number of employees belonging to the group on the date in question was divided into tenths, and the dividing points between successive tenths were marked in the column of cumulative sums. The corresponding relative wages were the deciles. The whole process can be readily followed by examining the subjoined specimen tally-sheet, which shows the distribution of the whole body of wage-earners according to their relative wages on the date when relative wages were highest.<sup>1</sup> An effective check on the accuracy of the work was obtained by constructing total tally-sheets for all series from the groups resulting from classification by industries and initial wages, and comparing these total tally-sheets with each other point by point.

When arithmetic means of relative wages were computed for

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<sup>1</sup> In practice it is convenient to use narrow strips for tally-sheets, and to make them long enough to include in single column all points in the scale of relative wages from lowest to highest. This arrangement facilitates comparison, and the combination of tally-sheets in forming larger groups.

any group the work was based on the tally-sheets. Each relative wage was multiplied by the corresponding number of employees, and the sum of the products divided by the whole number of the employees.

It will be noted that in making the tally-sheets each series was entered as having the number of wage-earners reported for the date which the tally-sheet represented. In many of the series the number of employees varied widely from date to date. It would have been easier to compute the average number of employees represented by each series and to use this number, instead of the varying actual numbers, in making the tally-sheets

TABLE 32.

*Specimen of the tally-sheets used in finding the deciles of relative rates of wages from the data obtained from the exhibits of the Aldrich Report.*

NOTE.—See the explanations on p. 94.

*All industries—both sexes—July, 1872.*

Rel. wages	No. of series	No. of employ's	Cumulative Deciles sums	Rel. wages	No. of series	No. of employ's	Cumulative Deciles sums	
80	1	2	2	130	4	67	450	
2	1	17	19	2	2	12	462	
3	1	10	29	3	10	22	484	
6	1	1	30	4	1	60	544	
91	1	1	31	6	6	14	558	
7	1	3	34	7	5	31	589	
100	3	11	45	8	5	18	607	
3	1	3	48	9	2	31	638	
4	2	7	55	140	3	33	671	
5	3	16	71	1	3	12	683	
6	1	4	75	2	1	13	696	
9	1	2	77	3	9	45	741	
110	2	12	89	4	1	12	753	
1	3	12	101	5	6	16	769	1st d.
2	1	2	103	6	2	5	774	
3	1	2	105	7	1	19	793	
5	2	10	115	8	4	57	850	
6	1	4	119	9	3	66	916	
7	8	69	188	150	20	86	1002	
8	1	4	192	1	5	39	1041	
9	3	10	202	2	1	7	1048	
120	10	58	260	3	4	103	1151	
1	3	14	274	4	2	12	1163	
2	2	11	285	5	5	93	1256	
3	2	18	303	6	5	99	1355	
5	7	12	315	7	8	133	1488	
7	6	33	348	8	8	59	1547	2d d.
8	3	26	374	9	4	22	1569	
9	2	9	383	160	7	22	1591	

TABLE 32—(CONCLUDED).

*Specimen of the tally-sheets used in finding the deciles of relative rates of wages from the data obtained from the exhibits of the Aldrich Report.*

*All industries—both sexes—July, 1872.*

Rel. wages	No. of series	No. of emply's	Cumulative sums	Deciles	Rel. wages	No. of series	No. of emply's	Cumulative sums	Deciles
161	3	12	1603		215	2	18	7103	
2	6	85	1688		7	3	5	7108	
3	5	78	1766		9	1	11	7119	
4	11	91	1857		220	1	2	7121	
5	7	33	1890		2	4	12	7133	
6	5	48	1988		3	3	77	7210	
7	10	138	2076		5	4	42	7252	
8	3	49	2125		6	1	5	7257	
9	9	50	2175		7	1	9	7266	
170	4	49	2224		8	2	6	7272	
1	9	90	2314	3d d.	9	2	85	7357	
2	6	48	2362		233	2	31	7388	
3	5	67	2429		6	1	18	7406	
4	6	33	2462		245	1	3	7409	
5	10	267	2729		7	1	8	7417	
6	4	53	2782		8	1	36	7453	
7	7	117	2899		250	3	4	7457	
8	3	6	2905		1	1	23	7480	
9	3	221	3126	4th d.	7	2	2	7482	
180	9	220	3346		8	1	2	7484	
1	4	18	3364		9	1	87	7571	
2	4	8	3372		263	1	2	7573	
3	7	58	3430		6	1	1	7574	
4	2	47	3477		270	1	1	7575	
5	6	24	3501		280	1	10	7585	
6	5	52	3553		6	1	1	7586	
7	3	26	3579		9	1	4	7590	
8	4	46	3625		295	1	32	7622	
9	1	114	3739		8	1	50	7672	
190	4	34	3773		300	1	3	7675	
1	1	4	3777		7	1	7	7682	
2	4	52	3829		No. em- ployees 23				
3	1	10	3839		Total 527 7682				
4	2	6	3845	Median					
5	3	30	3875						
6	4	304	4179						
7	2	114	4293						
8	2	152	4445						
200	31	1121	5566	6th & 7th d					
1	2	289	5855		Tenths of no. of employees				Results
2	3	55	5910						80—lowest
3	4	59	5969		.1—768.2				145—1st
4	5	358	6327	8th d.	.2—1536.4				158—2d
5	2	5	6332		.3—2304.6				171—3d
6	1	1	6333		.4—3072.8				179—4th
7	2	419	6752		.5—3841.0				194—median
8	1	3	6755		.6—4609.2				200—6th
9	2	46	6801		.7—5377.4				200—7th
210	2	3	6804		.8—6145.6				204—8th
2	3	125	6929	9th d.	.9—6913.8				212—9th
3	1	152	7081		1.0—7682.0				307—highest
4	2	4	7085						

for all dates. But this course would have made the tables represent the relative wages of an artificially stable body of wage-earners whose constitution did not change from 1860 to 1880. I have preferred to regard the changes which the series report in the numbers of men employed in different industries, establishments, and occupations, as themselves significant facts which ought to be allowed to exercise on the results whatever influence they possess. To keep these changes constantly before the mind, I have introduced into all the tables based on the Aldrich data a column showing the numbers employed at each date. Practically, however, it seems to make little difference which method of weighting is adopted. Arithmetic means of relative wages for 1860 to 1866 computed in both ways from the Aldrich data, show a maximum difference of only 4 points on advances of 50 to 60 points.<sup>2</sup> Average weights give the higher results, apparently because employers economize the use of labor which has increased much in price and use somewhat more of labor which has increased little. In determining which method to choose, or which set of results to trust when both methods are used, the question to be answered is: Are the facts more closely approximated by assuming that no changes have occurred in the relative numbers of persons employed in different occupations, establishments, and industries; or by assuming that the changes which did occur in the cases recorded by the available data were fairly representative of the broader changes which affected the whole body of wage-earners?

*c.—Relative Wages of All Employees and of Males and Females.*

The result of the application of these methods to the Aldrich data are presented in their most general form by Table 33. The "number of series" noted in the third column is the number of series which show at least one person employed on the date in question. This number is never equal to the whole number of series (527), because at every date several series show no employees at work. The number of employees is large in 1860 and '61, falls off early in the war to a minimum of 4,009 in January,

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<sup>2</sup> *History of the Greenbacks*, p. 310.



TABLE 33.

*Relative rates of wages of all employees and of males and females, in  
January and July: 1860-1880.*

*Data obtained from the exhibits of the Aldrich Report.*

NOTE.—For method of construction, see pp. 94-97, and Table 32. For interpretation, see p. 101. Also compare corresponding tables of relative prices at wholesale and retail (Tables 4 and 21) and notes upon them.

Date	Sex	No. of series	No. of persons	Low- est	1st dec.	2d dec.	3d dec.	4th dec.	Median dec.	6th dec.	7th dec.	8th dec.	9th dec.	Highest
1860														
Jan.	M & F	499	5638	100	100	100	100	100	100	100	100	100	100	100
	M	450	4985	100	100	100	100	100	100	100	100	100	100	100
	F	49	653	100	100	100	100	100	100	100	100	100	100	100
1860														
July	M & F	496	6438	41	98	100	100	100	100	100	100	100	102	140
	M	449	5817	41	98	100	100	100	100	100	100	100	101	140
	F	47	621	89	97	97	100	100	100	103	105	105	105	119
1861														
Jan.	M & F	483	5595	70	98	99	100	100	100	100	100	102	108	149
	M	439	4985	71	99	100	100	100	100	100	100	101	108	149
	F	44	610	70	86	97	99	100	100	103	107	107	110	136
1861														
July	M & F	493	5375	60	90	90	92	97	99	100	100	104	111	170
	M	444	4790	71	90	90	90	97	98	100	100	102	110	170
	F	49	585	60	90	95	100	100	105	111	111	120	121	134
1862														
Jan.	M & F	494	4565	60	96	99	100	100	100	100	101	107	114	200
	M	445	3993	74	96	99	100	100	100	100	100	106	113	200
	F	49	572	60	80	96	100	101	101	102	112	120	121	152
1862														
July	M & F	500	4833	60	91	97	100	100	100	102	105	112	117	200
	M	452	4321	74	91	97	100	100	100	100	104	110	115	200
	F	48	512	60	80	100	102	103	105	114	114	121	121	152
1863														
Jan.	M & F	495	4009	54	99	100	104	108	114	119	125	125	136	240
	M	447	3557	62	99	100	105	110	115	122	125	125	140	240
	F	48	452	54	98	100	104	105	107	107	111	121	123	160
1863														
July	M & F	485	4709	42	100	105	110	113	115	121	125	125	141	240
	M	441	4261	42	100	105	111	114	116	125	125	125	141	240
	F	44	448	55	100	100	105	106	106	107	116	119	127	152
1864														
Jan.	M & F	492	4883	73	101	111	117	121	129	136	145	150	152	280
	M	448	4342	73	106	113	120	125	133	140	150	150	156	280
	F	44	541	93	100	100	101	101	105	114	121	127	130	162
1864														
July	M & F	515	5375	68	109	119	126	132	139	147	154	169	180	280
	M	466	4718	68	112	125	130	135	141	150	160	173	180	280
	F	49	657	90	101	107	109	109	117	122	128	136	141	164

TABLE 33—(CONTINUED).

*Relative rates of wages of all employees and of males and females, in  
January and July: 1860-1880.*

Date	Sex	No. of series	No. of persons	Low- est	1st dec.	2d dec.	3d dec.	4th dec.	Median dec.	6th dec.	7th dec.	8th dec.	9th dec.	Highest
1865														
Jan.	M & F	512	4756	63	118	128	135	143	150	159	169	180	190	320
	M	464	4128	63	121	132	141	150	155	162	171	182	190	320
	F	48	628	82	107	110	118	128	133	134	134	140	143	202
1865														
July	M & F	511	5005	67	126	134	143	148	152	159	168	175	190	320
	M	463	4259	67	130	137	144	150	155	163	169	180	190	320
	F	48	746	98	117	127	130	132	147	151	151	156	168	202
1866														
Jan.	M & F	513	5228	77	130	141	149	154	165	173	176	183	190	280
	M	464	4321	77	131	141	149	156	167	174	177	184	190	280
	F	49	907	90	119	134	144	153	165	165	165	175	186	222
1866														
July	M & F	509	5576	73	134	146	152	157	163	173	178	185	190	280
	M	462	4716	73	136	147	152	156	160	172	177	185	190	280
	F	47	860	100	125	136	148	160	170	178	178	186	198	202
1867														
Jan.	M & F	504	5614	63	138	148	153	164	175	178	182	184	200	303
	M	456	4718	63	139	148	153	165	175	177	182	182	200	303
	F	48	896	87	126	144	148	163	173	182	188	188	192	242
1867														
July	M & F	507	5406	74	138	149	156	161	166	175	181	188	200	280
	M	458	4537	74	140	149	155	160	163	172	180	188	200	280
	F	49	869	80	130	138	161	167	175	182	182	189	194	250
1868														
Jan.	M & F	499	4928	73	134	148	154	165	168	175	179	184	200	280
	M	450	4100	73	137	148	153	164	168	175	180	184	200	280
	F	49	828	80	130	142	158	167	169	176	176	188	192	250
1868														
July	M & F	506	5411	80	138	149	156	165	172	175	182	188	200	280
	M	457	4527	80	140	149	156	165	171	177	184	190	201	280
	F	49	884	80	131	144	159	167	172	172	177	186	193	250
1869														
Jan.	M & F	505	6085	63	140	151	160	170	176	184	200	200	205	280
	M	456	5201	63	140	151	160	171	180	188	200	204	205	280
	F	49	884	80	131	141	160	167	175	175	179	185	193	250
1869														
July	M & F	509	6888	63	140	153	163	174	179	185	200	205	212	325
	M	460	5987	63	142	154	164	175	180	192	200	205	212	325
	F	49	901	80	134	141	158	168	178	178	181	202	208	270
1870														
Jan.	M & F	510	6790	77	140	153	164	173	180	188	208	213	220	325
	M	461	5887	79	140	154	165	174	182	191	208	219	220	325
	F	49	903	77	130	142	152	164	172	179	184	191	208	270
1870														
July	M & F	514	7009	75	138	152	163	174	179	186	203	209	220	325
	M	466	6120	75	140	153	163	174	180	186	204	212	220	325
	F	48	889	77	132	138	160	173	179	179	184	193	205	270

TABLE 33—(CONTINUED).

*Relative rates of wages of all employees and of males and females, in  
January and July: 1860-1880.*

Date	Sex	No. of series	No. of persons	Low- est	1st dec.	2d dec.	3d dec.	4th dec.	Median dec.	6th dec.	7th dec.	8th dec.	9th dec.	Highest
1871														
Jan.	M & F	508	6669	71	140	156	167	176	185	196	200	212	220	325
	M	460	5728	71	142	157	167	175	180	195	198	212	220	325
	F	48	941	78	133	151	169	184	191	200	205	223	227	270
1871														
July	M & F	507	7710	78	144	159	171	179	192	198	200	207	212	301
	M	459	6737	79	144	159	171	179	189	196	200	204	212	301
	F	48	973	78	134	159	170	179	196	196	203	225	251	270
1872														
Jan.	M & F	501	6222	78	136	154	164	172	177	193	200	200	217	307
	M	453	5271	73	139	154	163	172	175	183	197	200	205	307
	F	48	951	80	134	150	174	186	202	215	217	221	233	289
1872														
July	M & F	504	7682	80	145	158	171	179	194	200	200	204	212	307
	M	456	6707	86	148	159	171	179	190	200	200	203	207	307
	F	48	975	80	134	150	174	187	197	209	213	223	233	289
1873														
Jan.	M & F	503	6342	80	138	155	163	173	180	187	200	200	212	304
	M	455	5438	86	137	155	162	171	179	184	198	200	204	304
	F	48	904	80	147	150	175	186	195	207	207	215	241	296
1873														
July	M & F	509	6918	74	140	157	167	175	187	195	200	204	215	304
	M	460	6013	74	139	157	166	175	186	195	200	204	213	304
	F	49	905	80	146	150	176	193	194	215	222	222	232	273
1874														
Jan.	M & F	503	6201	51	137	150	159	168	179	186	195	200	211	300
	M	455	5313	51	140	150	158	168	177	183	195	200	204	300
	F	48	888	57	127	147	161	174	192	195	195	210	221	227
1874														
July	M & F	503	6133	51	140	151	163	170	175	184	189	200	204	336
	M	455	5238	51	140	152	163	170	173	180	189	200	204	336
	F	48	895	64	139	147	153	176	191	202	204	205	218	252
1875														
Jan.	M & F	496	5315	57	130	144	150	160	165	172	180	199	200	297
	M	449	4426	63	130	144	150	160	163	172	176	200	200	297
	F	47	889	57	131	144	150	162	175	180	181	191	200	252
1875														
July	M & F	500	5655	57	130	144	149	155	161	166	175	183	200	329
	M	453	4726	63	130	143	146	155	160	164	174	180	200	329
	F	47	929	57	131	148	153	161	174	182	183	188	205	252
1876														
Jan.	M & F	490	4997	57	125	139	145	150	160	169	178	189	200	403
	M	443	4098	63	125	138	144	150	157	166	177	195	200	403
	F	47	899	57	131	146	150	168	175	179	180	189	189	252
1876														
July	M & F	499	5838	57	120	129	139	144	151	157	167	175	195	286
	M	452	4847	63	120	126	137	140	149	155	160	175	200	286
	F	47	991	57	133	144	156	166	168	168	174	178	182	252

TABLE 33—(CONCLUDED).

*Relative rates of wages of all employees and of males and females, in  
January and July: 1860-1880.*

Date	Sex	No. of series	No. of persons	Low- est	1st dec.	2d dec.	3d dec.	4th dec.	Median dec.	6th dec.	7th dec.	8th dec.	9th dec.	Highest
1877														
Jan.	M & F	492	5319	56	115	125	133	143	146	152	160	164	176	270
	M	446	4376	72	115	124	130	140	145	150	157	160	178	270
	F	46	943	56	130	144	155	156	156	164	170	171	171	252
1877														
July	M & F	501	5641	56	115	124	130	136	142	147	156	163	174	267
	M	454	4667	63	114	121	125	132	139	144	147	158	172	267
	F	47	974	56	132	146	156	163	163	164	168	171	180	252
1878														
Jan.	M & F	495	5021	57	114	125	129	137	143	152	159	168	176	267
	M	448	4039	57	113	123	127	135	140	145	153	159	175	267
	F	47	982	57	131	144	159	161	168	169	171	171	183	252
1878														
July	M & F	497	5604	57	113	123	126	131	140	148	155	167	175	283
	M	450	4576	57	111	120	125	131	134	142	148	157	169	283
	F	47	1028	57	131	144	153	164	167	169	175	179	186	252
1879														
Jan.	M & F	500	5201	47	110	122	125	131	140	144	153	165	176	261
	M	452	4167	73	108	119	124	127	134	142	144	155	175	260
	F	48	1034	47	128	138	153	165	165	169	171	177	184	261
1879														
July	M & F	503	5972	47	108	120	125	128	135	142	150	160	175	269
	M	455	4906	73	104	117	122	125	130	137	142	150	167	254
	F	48	1066	47	132	144	152	158	160	168	171	179	187	269
1880														
Jan.	M & F	506	5636	52	115	122	125	130	137	143	155	164	177	254
	M	457	4579	75	114	121	124	128	133	140	144	156	168	254
	F	49	1057	52	132	149	155	164	164	170	175	179	201	252
1880														
July	M & F	507	6628	57	115	125	130	134	140	150	155	163	177	311
	M	458	5551	70	115	123	128	134	136	141	150	157	168	254
	F	49	1077	57	132	151	155	163	163	173	174	181	208	311

1863, rises unsteadily to a maximum of 7,710 in July, 1871, declines again during the years of depression to 4,997 in January, 1876, rises hesitatingly until January, 1880, and finally increases largely in July. In most years it is considerably smaller in January than in July.

The deciles are to be interpreted in this fashion: Of the 4,009 persons whose relative wages are reported in January, 1863, one-tenth were receiving wages ranging between 54 and 99 per cent. of the wages received by the persons employed by the same establishments to do the same kind of work in January, 1860;

a second tenth were receiving wages equal to 99 or 100 per cent. of the wages received by the persons employed by the same establishments to do the same kind of work in January, 1860; etc. The identity of the seventh and eighth deciles at 125 means that more than one-tenth of the wage-earners were receiving wages just a quarter higher than had been paid to the people who were doing the same kind of work in the same establishments in January, 1860. The constant factors in the table are (1) the use of the same set of reports from the same establishments for all the different dates, and (2) the comparison of wages at every subsequent date with wages in January, 1860. The variable factors are the numbers employed and the relative wages received at different dates.

The table shows that a wide diversity existed in relative wages at every date after 1861. At every date save one, some one was receiving wages less than had been paid by the same establishment for the same kind of work in 1860; and at every date some one was receiving twice, often three times or more, as much as had been paid in 1860. These extreme cases represent but a small part of the body of wage-earners; but even if we take the four-fifths of wage-earners whose rates of pay fall between the first and ninth deciles we find a wide though varying range. On the whole there is no great degree of concentration at any point of the field, though there is usually some increase in density as the median is approached. Round numbers, representing common fractions or multiples of initial wages (such as 125, and 200), evidently exercise a certain influence. The average distribution of the whole body of wage-earners over the field for the whole period is shown in Table 34.

Though these differences between the relative wages of different persons at the same date are so striking, they are consistent with a strongly marked trend of wage-fluctuations, for the differences are fairly constant from date to date. In other words, though the deciles are usually separated by intervals of several points, they generally rise and fall together, maintaining much the same general relations. Thus the table shows an almost universal rise of wages during the war—though a rise far from equal to the advance of wholesale or retail prices. After the war the

TABLE 34.

*Average distribution of all employees, and of males and females, over the field covered by the fluctuations of relative rates of wages from 1860 to 1880.*

NOTE.—Based upon Table 33. Compare the corresponding table for relative prices at wholesale (Table 5) and the note upon it.

Average number of points in the scale of relative wages between	Both Sexes	Males	Females
Lowest relative wages and 1st deciles	58.0	53.9	50.4
1st and 2d deciles	10.2	9.5	11.2
2d and 3d deciles	6.5	6.2	10.5
3d and 4th deciles	6.2	6.5	8.0
4th deciles and Medians	6.2	5.3	6.1
Medians and 6th deciles	6.3	6.5	5.1
6th and 7th deciles	7.0	6.3	3.2
7th and 8th deciles	6.4	6.8	6.9
8th and 9th deciles	9.7	9.3	8.5
9th deciles and highest relative wages	95.1	94.6	47.0
Lowest and highest relative wages	211.6	204.9	156.9

general trend continued to be upward, while prices were falling, with the result that the median for wages rose above the median for wholesale prices in January, 1867, and above the median for retail prices in 1869. During the early '70's several of the deciles and particularly the medians indicated marked differences between summer and winter rates. The highest point was reached in July, 1872, and during this period the medians for wages were high above the medians for prices at wholesale or retail, though the upper price-deciles overlapped the lower wage-deciles and generally the median itself. After the crisis of 1873, the prices of labor fell like the prices of commodities, and touched their lowest point in July, 1879. But even then the median stood at 135, while the median of wholesale prices stood at 85 and the median of retail prices at 118. Finally, wages rose again under the stimulus of reviving trade in 1880.

Table 33 also provides material for a comparison between the relative wages of men and women. The columns for numbers of series and of employees show that the data for males are much more abundant. In the majority of the 21 industries, indeed, no female employees are reported; it is only in the textile industries that their numbers are important. A more accurate comparison can therefore be made on the basis of deciles for the separate

industries. For the present it is sufficient to notice that from 1863 to 1865 men had their rates of pay increased decidedly faster. From 1865 to 1870 the relations are irregular; sometimes men, sometimes women are in the lead; sometimes the differences are small, sometimes large. But after 1870 women uniformly have higher relative wages.

*d.—Relative Wages in Various Industries.*

Reference to Table 31 shows that 12 of the 21 industries of the *Aldrich Report* are represented by data too scanty to afford averages which inspire confidence. In making the tables for industries, accordingly, these 12 were put together under the caption "other industries" and separate results prepared only for the remaining 9, which have 451 of the 527 series and 5,339 of the average number of employees (5,733). From these 9 industries the 5 which are most fully represented, *viz.*, cotton textiles (including gingham), woolen textiles, metals and metallic goods, building trades, and city public works, were selected for a table of deciles; but arithmetic means were prepared also for stone, railways, and gas.

The deciles for these five industries (Table 35) show that the diversity in relative wages of different persons at the same dates is scarcely less marked or less constant in the separate industries than in the totals for all industries. The distribution of the wage-earners over the field of fluctuation of relative wages is shown in Table 36. The fact that two or more of the deciles for an industry are frequently identical is due mainly to the fact that the series for an important occupation in a large establishment often represents more than a tenth of the whole number of employees in the industry as shown by the data.

This table makes it possible to examine more closely the erratic seasonal movements so noticeable in the medians for all industries from 1871-73. These movements are less marked in the industries singly than in the totals for all industries. City public works shows no trace of them; building trades has the same median in January and July of both 1872 and 1873; metals shows slightly higher July medians; woolen textiles is in the same case except for 1872, while cotton textiles exhibits considerable differences—

TABLE 35.

*Relative rates of wages of all employees, and of males and females, in five industries, in January and July: 1860-1880.  
Data obtained from the exhibits of the Aldrich Report.*

NOTE.—Constructed in the same fashion as Table 33. See notes upon the latter.

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1860 Jan.	Five industries		375	4355	100	100	100	100	100	100	100	100	100	100	100
1860 July	Cotton <sup>1</sup>	M & F	134	1183	89	97	98	100	100	100	100	100	102	105	119
	Cotton	F	32	561	92	97	97	100	100	100	100	103	105	105	119
	Cotton	M	102	622	89	98	99	100	100	100	100	100	100	102	112
	Woolen	M & F	58	180	75	94	98	100	100	100	100	103	104	120	137
	Woolen	F	10	32	89	92	100	100	100	100	103	103	115	119	119
	Woolen	M	48	148	75	94	98	100	100	100	100	102	104	120	137
	Metals	M	125	857	74	98	99	100	100	100	100	101	102	104	128
	Building	M	39	391	79	93	100	100	100	100	100	100	101	116	137
1861 Jan.	City	M	21	2466	93	100	100	100	100	100	100	100	100	100	140
	Cotton <sup>1</sup>	M & F	135	1156	70	86	97	99	100	100	100	103	107	110	130
	Cotton	F	32	541	70	86	99	99	100	100	104	107	107	110	130
	Cotton	M	103	615	71	87	92	98	100	100	100	100	102	105	121
	Woolen	M & F	55	162	75	100	100	100	100	101	102	107	109	125	136
	Woolen	F	7	25	100	100	100	100	104	104	104	107	114	136	136
	Woolen	M	48	137	75	100	100	100	100	101	101	107	109	125	135
	Metals	M	115	762	86	99	100	100	100	100	101	102	105	108	126
Building	City	M	38	234	79	91	98	100	100	100	100	101	105	112	147
	City	M	22	2076	88	100	100	100	100	100	100	100	100	100	140

<sup>1</sup> Including gingham.



TABLE 35—(CONTINUED).  
*Relative rates of wages of all employees, and of males and females, in five industries, in January and July: 1860-1880.*

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1861 July	Cotton <sup>1</sup>	M & F	135	1084	70	86	95	99	100	103	104	106	111	120	134
	Cotton	F	32	501	70	87	95	100	100	103	106	111	120	121	134
	Cotton	M	103	583	71	86	92	99	100	100	103	104	104	107	121
	Woolen	M & F	57	179	60	95	99	100	100	100	105	107	117	131	143
	Woolen	F	10	32	60	100	100	100	100	107	107	107	107	131	131
	Woolen	M	47	147	75	95	99	100	100	100	103	109	119	125	143
	Metals	M	121	917	72	97	97	98	100	100	101	102	109	120	136
	Building	M	40	433	82	92	99	100	100	100	100	100	101	122	132
	City	M	20	1453	82	90	90	90	90	90	90	90	90	97	170
1862 Jan.	Cotton <sup>1</sup>	M & F	132	1020	69	80	96	97	100	100	101	105	111	120	140
	Cotton	F	31	485	69	80	96	101	101	101	102	112	120	121	140
	Cotton	M	101	535	74	82	97	97	97	98	100	100	105	110	137
	Woolen	M & F	59	206	60	95	98	100	100	100	105	114	121	136	140
	Woolen	F	11	40	60	100	100	100	102	117	117	117	128	128	132
	Woolen	M	48	166	83	94	98	98	100	100	104	106	121	136	140
	Metals	M	130	1065	75	97	99	100	100	102	104	108	109	120	134
	Building	M	39	218	78	90	93	97	100	100	101	107	113	120	160
	City	M	19	970	79	99	100	100	100	100	100	100	100	100	121
1862 July	Cotton <sup>1</sup>	M & F	132	904	71	82	97	100	100	102	104	106	114	121	145
	Cotton	F	31	410	71	80	101	102	104	106	114	114	121	122	145
	Cotton	M	101	494	74	83	95	98	100	100	101	104	105	109	137
	Woolen	M & F	59	237	60	95	100	102	102	106	109	119	120	130	148
	Woolen	F	10	44	60	100	104	119	120	120	120	120	120	130	130
	Woolen	M	49	193	79	95	100	101	102	106	106	114	119	148	148
	Metals	M	132	1011	75	97	100	102	102	104	109	110	115	131	152
	Building	M	39	334	82	95	100	100	100	105	110	111	113	125	160
	City	M	20	1110	79	99	100	100	100	100	100	100	100	100	160

<sup>1</sup> Including gingham.

TABLE 35—(CONTINUED).  
*Relative rates of wages of all employees, and of males and females, in five industries, in January and July: 1860-1880.*

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1863 Jan.	Cotton <sup>1</sup>	M & F	128	761	54	97	100	100	104	105	107	109	117	123	151
	Cotton	F	30	352	54	97	104	105	107	107	107	114	121	121	151
	Cotton	M	98	409	62	94	97	100	100	103	105	107	114	124	146
	Woolen	M & F	61	227	60	100	105	109	110	119	119	124	146	146	218
	Woolen	F	11	41	60	100	100	109	116	116	116	123	128	128	160
	Woolen	M	50	186	79	100	105	109	110	119	119	148	146	146	218
	Metals	M	132	985	80	99	101	103	105	109	112	116	122	140	180
	Building	M	85	176	84	99	99	100	100	111	116	119	130	158	240
	City	M	19	949	73	102	125	125	125	125	125	125	125	125	160
1863 July	Cotton <sup>1</sup>	M & F	122	741	55	97	100	100	104	106	106	109	117	124	158
	Cotton	F	28	351	55	100	108	105	106	106	106	108	118	121	151
	Cotton	M	94	390	61	92	100	100	100	103	106	109	114	124	158
	Woolen	M & F	59	241	60	92	103	105	109	117	119	120	125	130	218
	Woolen	F	11	62	60	100	103	108	117	119	127	130	130	130	130
	Woolen	M	48	179	79	90	100	105	107	115	119	119	120	126	218
	Metals	M	131	1114	69	102	105	110	112	116	121	126	126	140	182
	Building	M	40	341	42	100	100	105	108	112	113	114	125	133	240
	City	M	18	960	73	110	125	125	125	125	125	125	125	125	170
1864 Jan.	Cotton <sup>1</sup>	M & F	132	941	78	99	100	101	106	112	116	121	128	139	197
	Cotton	F	31	454	93	95	101	101	101	107	114	120	121	128	162
	Cotton	M	101	487	78	99	100	106	111	114	120	125	139	151	197
	Woolen	M & F	55	235	84	100	106	113	119	125	128	130	133	141	218
	Woolen	F	8	53	100	100	102	102	128	128	128	130	130	141	141
	Woolen	M	47	182	84	100	107	116	119	125	127	129	133	150	218
	Metals	M	132	1229	75	107	114	118	120	121	125	132	138	143	235
	Building	M	39	250	97	110	113	113	114	120	125	129	134	160	280
	City	M	19	954	73	119	145	150	150	150	150	150	150	150	150

<sup>1</sup> Including gingham.

TABLE 35—(CONTINUED).  
*Relative rates of wages of all employees, and of males and females, in five industries, in January and July: 1860-1880.*

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1864 July	Cotton <sup>1</sup>	M & F	132	1,014	88	101	109	109	113	121	126	130	141	150	197
	Cotton	F	31	523	95	101	109	109	109	116	122	127	130	141	162
	Cotton	M	101	491	88	105	108	113	119	126	129	139	150	173	197
	Woolen	M & F	61	230	90	106	111	115	125	129	132	138	145	148	218
	Woolen	F	11	59	90	106	107	107	132	136	136	136	143	143	148
	Woolen	M	51	171	92	100	113	115	125	129	132	140	145	148	218
	Metals	M	135	1,376	68	110	124	125	136	140	147	154	158	163	192
	Building	M	38	478	77	119	125	130	131	140	150	150	150	175	280
	City	M	20	918	73	136	150	180	180	180	180	180	180	180	220
1865 Jan.	Cotton <sup>1</sup>	M & F	131	966	63	110	118	127	129	134	134	143	145	162	204
	Cotton	F	30	478	92	110	118	128	130	134	134	134	140	143	190
	Cotton	M	101	488	63	110	117	127	129	132	144	150	159	180	204
	Woolen	M & F	62	238	82	107	116	123	138	143	150	160	168	173	262
	Woolen	F	11	62	82	96	107	107	124	140	140	146	146	146	202
	Woolen	M	51	176	86	114	122	124	138	154	160	164	171	173	262
	Metals	M	135	1,297	81	127	135	138	144	149	155	159	171	173	225
	Building	M	36	231	63	123	126	134	139	146	150	150	150	179	320
	City	M	21	796	100	120	150	182	190	190	190	190	190	190	193
1865 July	Cotton <sup>1</sup>	M & F	131	1,144	88	123	129	131	135	144	151	151	168	174	201
	Cotton	F	31	615	98	125	129	131	133	151	151	151	158	168	190
	Cotton	M	100	529	88	117	129	133	135	140	147	159	174	179	201
	Woolen	M & F	61	229	86	117	119	124	133	147	151	151	156	173	262
	Woolen	F	10	56	104	117	117	117	128	147	147	147	147	152	292
	Woolen	M	51	173	86	117	123	125	135	150	151	156	170	175	262
	Metals	M	134	1,208	67	126	137	140	147	150	158	160	168	174	225
	Building	M	37	365	73	134	142	146	150	150	163	172	175	179	320
	City	M	22	677	100	140	153	182	190	190	190	190	190	190	190

<sup>1</sup> Including gingham.

TABLE 35—(CONTINUED).  
*Relative rates of wages of all employees, and of males and females, in five industries, in January and July: 1860-1880.*

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1866 Jan.	Cotton <sup>1</sup>	M & F	135	1380	77	125	141	146	157	165	165	170	175	186	242
	Cotton	F	32	757	104	125	144	153	163	165	165	170	175	190	200
	Cotton	M	103	623	77	129	137	146	153	164	167	174	175	183	242
	Woolen	M & F	61	251	88	120	124	126	142	151	159	160	171	192	262
	Woolen	F	10	70	90	117	124	124	151	151	151	151	165	165	222
	Woolen	M	51	181	88	123	126	126	142	152	159	167	179	195	262
	Metals	M	134	1279	84	130	141	143	150	153	160	169	173	179	227
	Building	M	36	290	84	143	147	151	152	156	166	175	175	180	280
	City	M	22	585	100	143	182	190	190	190	190	190	190	190	190
	Cotton <sup>1</sup>	M & F	134	1332	100	133	144	152	163	174	178	185	186	189	242
1866 July	Cotton	F	32	722	104	134	144	160	167	178	178	178	186	198	202
	Cotton	M	102	610	100	133	143	150	159	168	175	185	185	187	242
	Woolen	M & F	59	273	80	123	129	131	147	150	165	175	175	190	262
	Woolen	F	8	65	109	131	131	131	149	149	149	165	165	165	184
	Woolen	M	51	208	80	121	126	129	147	154	175	175	184	192	262
	Metals	M	134	1354	81	136	146	147	152	155	166	170	176	178	257
	Building	M	39	453	73	150	151	163	167	175	175	175	179	200	280
	City	M	20	645	100	143	180	190	190	190	190	190	190	190	203
	Cotton <sup>1</sup>	M & F	135	1428	87	133	145	153	165	175	177	182	188	195	229
	Cotton	F	32	759	87	136	148	163	167	182	188	188	188	192	213
1867 Jan.	Cotton	M	102	689	94	129	145	152	160	170	175	177	178	200	219
	Woolen	M & F	58	255	80	123	131	137	140	147	152	155	167	184	262
	Woolen	F	9	64	109	131	131	140	152	153	153	153	155	155	242
	Woolen	M	49	191	80	123	134	137	138	147	147	158	167	184	262
	Metals	M	135	1359	78	130	148	149	152	158	167	172	176	180	303
	Building	M	38	301	63	152	156	166	171	175	175	175	200	205	280
	City	M	20	431	100	140	151	200	200	200	200	200	200	200	204

<sup>1</sup> Including gingham.

TABLE 35—(CONTINUED).  
*Relative rates of wages of all employees, and of males and females, in five industries, in January and July: 1860-1880.*

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1867 July	Cotton <sup>1</sup>	M & F	135	1442	87	136	152	161	166	174	182	186	194	208	225
	Cotton	F	32	721	87	131	161	168	175	182	182	186	196	194	216
	Cotton	M	103	721	100	140	147	155	162	166	166	175	176	200	225
	Woolen	M & F	60	253	80	120	131	138	145	150	150	158	162	168	202
	Woolen	F	10	61	80	131	131	131	150	150	150	150	162	165	250
	Woolen	M	50	192	80	120	130	138	145	148	152	158	162	168	262
	Metals	M	134	1262	74	140	149	150	153	159	166	171	179	181	257
	Building	M	38	505	84	143	154	175	180	188	194	200	203	219	280
	City	M	20	417	100	140	156	200	200	200	200	200	200	200	250
1868 Jan.	Cotton <sup>1</sup>	M & F	135	1439	85	137	148	157	165	167	174	176	179	192	256
	Cotton	F	32	684	85	131	160	167	169	176	176	178	191	192	204
	Cotton	M	103	755	100	138	146	151	157	165	165	172	175	190	256
	Woolen	M & F	59	245	80	121	129	131	134	137	142	150	156	160	250
	Woolen	F	10	62	80	131	131	131	138	142	156	156	156	164	250
	Woolen	M	49	183	80	121	129	130	134	135	142	149	152	160	236
	Metals	M	132	1091	74	136	148	149	153	160	167	170	176	180	257
	Building	M	38	314	73	147	160	170	175	175	184	200	201	217	280
	City	M	19	341	100	140	152	200	200	200	200	200	200	200	204
1868 July	Cotton <sup>1</sup>	M & F	135	1487	85	136	148	158	164	172	175	175	182	193	257
	Cotton	F	32	735	85	131	159	167	172	172	176	181	191	193	204
	Cotton	M	103	752	95	136	145	153	157	163	175	175	175	204	257
	Woolen	M & F	58	253	80	117	131	136	139	146	150	153	157	167	250
	Woolen	F	10	64	80	131	139	139	154	154	157	157	157	162	250
	Woolen	M	48	189	80	113	127	136	136	146	147	150	153	173	236
	Metals	M	133	1159	96	138	144	150	154	156	166	169	175	180	257
	Building	M	39	552	84	160	175	175	190	200	200	201	216	226	280
	City	M	21	435	100	140	162	200	200	200	200	200	205	225	238

<sup>1</sup> Including ginghams.

TABLE 35.—(CONTINUED).  
*Relative rates of wages of all employees, and of males and females, in five industries, in January and July, 1860-1880.*

Date	Industry	Sex	No. of Series	No. of Persons	Lowest Decile	1st Decile	2nd Decile	3rd Decile	4th Decile	Median Decile	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1860 Jan.	Cotton <sup>1</sup>	M & F	135	1481	88	139	149	160	165	174	175	175	181	193	263
		F	32	739	88	131	160	167	175	175	175	179	186	193	208
	Cotton	M	103	742	95	135	146	154	160	165	174	174	177	190	263
		M & F	59	246	80	120	130	137	147	148	150	163	167	175	250
	Woolen	F	10	59	80	138	148	148	148	160	160	160	167	167	250
		M	40	187	80	119	129	136	137	147	149	163	168	175	236
	Metals	M	133	1121	100	140	146	151	154	159	167	172	176	180	257
		M	35	368	63	152	165	178	188	200	208	218	220	250	280
	Building City	M	22	1223	100	140	200	200	200	200	200	205	205	205	238
		M & F	135	1472	88	134	150	160	168	175	177	178	180	208	263
1860 July	Cotton <sup>1</sup>	F	32	750	88	134	160	168	178	178	178	190	202	208	257
		M	103	722	95	138	147	153	160	168	175	175	177	195	263
	Woolen	M & F	59	257	80	113	125	136	142	147	154	157	162	174	270
		F	10	61	80	138	154	154	154	155	157	157	162	162	270
	Woolen	M	40	196	80	113	110	128	139	142	147	150	163	175	236
		M	130	1196	98	143	149	152	155	159	165	171	179	180	807
	Metals	M	40	675	63	153	175	179	185	200	200	230	235	247	280
		M	20	1533	100	140	178	200	200	200	200	200	205	205	238
	Building City	M & F	135	1572	77	135	148	157	167	170	177	179	184	201	261
		F	32	755	77	134	152	164	169	170	170	184	191	214	235
1870 Jan.	Cotton <sup>1</sup>	M	103	817	92	138	147	151	163	170	170	174	177	180	261
		M & F	61	297	80	121	128	135	143	146	150	151	164	170	270
	Woolen	F	10	64	80	128	129	140	151	151	151	163	164	164	270
		M	51	233	95	119	127	135	141	144	146	150	162	162	257
	Metals	M	128	1196	91	134	151	153	156	161	166	173	180	181	257
		M	30	397	84	151	173	175	185	188	196	209	220	225	280
	Building City	M	21	1266	100	140	210	220	220	220	220	230	237	237	233
		M	21	1266	100	140	210	220	220	220	220	230	237	237	233
	Cotton <sup>1</sup>	M & F	135	1572	77	135	148	157	167	170	177	179	184	201	261
		F	32	755	77	134	152	164	169	170	170	184	191	214	235

<sup>1</sup> Including ginghams.

TABLE 35—(CONTINUED).  
*Relative rates of wages of all employees, and of males and females, in five industries, in January and July: 1860-1880.*

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1870 July	Cotton <sup>1</sup>	M & F	135	1516	75	134	150	163	174	177	179	186	186	205	261
	Cotton	F	32	746	77	134	159	175	179	179	179	186	197	205	217
	Cotton	M	103	770	75	135	148	156	163	173	177	185	186	189	261
	Woolen	M & F	60	301	78	117	132	137	142	145	150	151	171	181	270
	Woolen	F	9	64	80	92	132	149	151	151	151	171	171	171	270
	Woolen	M	51	237	78	119	127	137	139	142	146	150	170	186	229
	Metals	M	131	1141	89	130	147	151	155	162	167	171	178	180	303
	Building	M	40	674	84	156	170	175	175	175	179	205	235	245	280
	City	M	21	1546	100	140	192	204	204	212	220	220	220	220	233
	Cotton <sup>1</sup>	M & F	132	1605	78	134	156	166	174	191	191	193	208	227	301
1871 Jan.	Cotton	F	31	811	78	134	167	184	191	191	200	208	227	227	237
	Cotton	M	101	794	81	140	151	158	163	170	177	191	191	194	301
	Woolen	M & F	61	311	80	121	133	136	140	142	150	162	169	175	270
	Woolen	F	10	75	80	129	133	149	151	151	163	169	169	169	270
	Woolen	M	51	236	86	121	136	136	140	140	142	150	173	177	222
	Metals	M	131	1100	71	130	144	150	156	158	167	169	178	180	257
	Building	M	39	378	97	153	170	175	175	175	179	181	200	203	280
	City	M	20	1366	110	204	204	204	220	220	220	220	220	233	233
	Cotton <sup>1</sup>	M & F	132	1655	78	134	157	167	175	181	196	198	210	225	301
	Cotton	F	31	829	78	134	169	179	195	196	196	211	225	261	261
1871 July	Cotton	M	101	826	79	142	148	157	163	172	177	190	198	198	301
	Woolen	M & F	61	314	80	121	132	138	141	145	151	157	170	177	270
	Woolen	F	10	81	80	120	149	151	151	151	167	170	170	170	270
	Woolen	M	51	233	86	121	132	138	139	141	145	152	170	177	222
	Metals	M	126	1116	91	130	143	150	154	159	166	174	179	180	257
	Building	M	40	644	100	157	166	175	175	180	195	200	204	218	280
	City	M	20	1911	110	192	200	200	200	200	204	212	212	233	233
	Cotton <sup>1</sup>	M & F	132	1655	78	134	157	167	175	181	196	198	210	225	301
	Cotton	F	31	829	78	134	169	179	195	196	196	211	225	261	261
	Cotton	M	101	826	79	142	148	157	163	172	177	190	198	198	301

<sup>1</sup> Including gingham.

TABLE 35—(CONTINUED).  
*Relative rates of wages of all employees, and of males and females, in five industries, in January and July, 1860-1880.*

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1872 Jan.	Cotton <sup>1</sup>	M & F	133	1586	82	134	158	167	178	192	205	215	217	233	307
	Cotton	F	31	800	82	134	173	186	200	215	217	217	231	233	270
	Cotton	M	102	786	86	138	151	159	164	172	180	200	205	205	307
	Woolen	M & F	61	326	80	125	135	135	139	143	147	149	174	176	270
	Woolen	F	10	84	80	126	149	149	149	149	169	174	174	174	270
	Woolen	M	51	242	86	125	133	135	136	142	143	147	162	179	222
	Metals	M	122	1151	91	130	142	153	155	158	165	172	177	180	257
	Building	M	38	438	73	157	171	175	175	183	200	200	200	212	280
	City	M	20	963	110	186	200	200	200	200	200	200	204	212	233
	Cotton <sup>1</sup>	M & F	134	1650	82	134	157	171	177	192	198	204	213	229	307
1872 July	Cotton	F	32	828	82	134	174	187	197	202	213	213	229	259	259
	Cotton	M	102	822	97	145	153	162	171	175	180	198	198	204	307
	Woolen	M & F	60	318	80	127	130	138	139	142	148	150	173	175	286
	Woolen	F	9	83	80	130	130	149	149	149	173	173	173	173	270
	Woolen	M	51	235	86	127	129	137	139	140	142	148	156	182	286
	Metals	M	123	1242	91	130	150	155	157	162	167	171	180	185	257
	Building	M	39	650	122	157	172	175	175	183	200	200	203	223	280
	City	M	20	1552	110	197	200	200	200	200	200	204	204	212	233
	Cotton <sup>1</sup>	M & F	134	1662	82	145	152	165	175	186	198	200	207	241	304
	Cotton	F	32	764	82	147	173	186	195	207	207	212	223	241	255
1873 Jan.	Cotton	M	102	898	97	141	148	159	165	170	177	197	198	199	304
	Woolen	M & F	60	312	80	128	135	136	138	144	148	150	169	178	229
	Woolen	F	9	78	80	130	149	150	150	150	169	169	169	175	200
	Woolen	M	51	234	86	128	135	135	136	138	144	148	161	178	229
	Metals	M	123	1182	94	134	148	155	157	160	167	173	177	180	257
	Building	M	38	356	91	153	161	171	175	175	181	200	203	210	240
	City	M	21	1162	120	174	200	200	200	200	200	204	204	212	233
	Cotton <sup>1</sup>	M & F	134	1662	82	145	152	165	175	186	198	200	207	241	304
	Cotton	F	32	764	82	147	173	186	195	207	207	212	223	241	255
	Cotton	M	102	898	97	141	148	159	165	170	177	197	198	199	304

<sup>1</sup> Including gingham.



TABLE 35—(CONTINUED).  
*Relative rates of wages of all employees, and of males and females, in five industries, in January and July, 1860-1880.*

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1873 July	Cotton <sup>1</sup>	M & F	134	1589	82	141	157	170	177	193	201	203	222	232	304
	Cotton	F	32	768	82	147	176	193	194	203	222	222	223	232	273
	Cotton	M	102	821	89	136	150	161	170	175	177	201	201	206	304
	Woolen	M & F	61	315	80	128	132	136	144	146	150	158	171	178	229
	Woolen	F	10	76	80	127	149	150	150	150	171	171	171	177	224
	Woolen	M	51	239	86	128	132	133	138	144	144	154	162	186	229
	Metals	M	123	1187	74	130	149	157	159	161	167	173	184	195	257
	Building	M	42	623	101	157	174	175	175	175	183	193	208	225	248
	City	M	22	1490	120	177	200	200	200	200	200	200	204	212	233
	Cotton <sup>1</sup>	M & F	134	1519	51	136	148	157	170	179	183	195	195	218	262
	Cotton	F	32	738	57	146	152	172	191	195	195	201	218	221	221
	Cotton	M	102	781	51	129	145	152	157	168	174	183	183	183	262
1874 Jan.	Woolen	M & F	60	338	80	111	127	137	141	143	144	152	174	175	232
	Woolen	F	9	88	80	109	127	137	137	173	174	174	174	175	218
	Woolen	M	51	250	86	111	116	139	143	143	144	150	152	174	232
	Metals	M	120	1057	74	130	143	149	151	158	162	170	178	180	257
	Building	M	41	406	89	150	157	168	171	175	187	200	203	204	267
	City	M	22	1103	120	192	200	200	200	200	200	204	204	212	233
	Cotton <sup>1</sup>	M & F	134	1541	51	132	147	157	172	185	189	199	204	217	262
	Cotton	F	32	745	64	146	151	172	191	202	204	204	214	218	218
	Cotton	M	102	796	51	131	145	152	160	170	176	189	189	189	262
	Woolen	M & F	59	327	80	125	136	138	140	140	149	156	175	176	291
	Woolen	F	9	88	80	136	140	148	148	148	175	175	176	176	198
	Woolen	M	50	239	86	125	136	137	138	140	141	150	163	178	291
1874 July	Metals	M	118	1035	74	139	144	151	157	160	164	169	177	180	257
	Building	M	42	560	77	157	169	175	175	175	188	188	193	202	267
	City	M	22	952	120	173	173	200	200	200	200	200	204	212	233

<sup>1</sup> Including gingham.

TABLE 35—(CONTINUED).  
*Relative rates of wages of all employees, and of males and females, in five industries, in January and July, 1860-1880.*

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1875 Jan.	Cotton <sup>1</sup>	M & F	133	1550	57	129	137	150	161	170	172	180	181	198	239
	Cotton	F	31	741	57	134	144	155	171	180	181	181	191	200	229
	Cotton	M	102	809	63	126	130	137	153	161	170	172	172	182	239
	Woolen	M & F	60	333	80	125	138	141	148	149	149	158	175	177	217
	Woolen	F	9	94	80	138	148	148	149	152	175	177	177	177	217
	Woolen	M	51	239	88	125	136	140	141	148	149	149	164	176	217
	Metals	M	116	942	74	130	141	144	147	149	155	157	162	173	257
	Building	M	41	363	95	144	156	157	160	173	175	175	179	191	250
	City	M	21	698	120	164	200	200	200	200	200	200	200	204	233
1875 July	Cotton <sup>1</sup>	M & F	133	1570	57	129	136	150	158	168	177	182	183	198	243
	Cotton	F	31	768	57	131	150	154	168	182	183	183	190	205	240
	Cotton	M	102	802	63	127	130	137	150	160	164	177	177	182	243
	Woolen	M & F	59	345	80 <sup>*</sup>	125	136	144	148	149	160	160	173	175	229
	Woolen	F	9	99	80	138	148	148	149	152	173	174	174	174	185
	Woolen	M	50	246	88	125	136	138	144	149	150	160	160	175	229
	Metals	M	120	987	88	128	140	143	144	144	150	156	161	173	257
	Building	M	41	621	97	143	157	160	160	163	173	176	187	200	240
	City	M	21	587	120	136	150	164	195	200	200	200	200	200	233
1876 Jan.	Cotton <sup>1</sup>	M & F	132	1558	57	124	133	145	151	170	177	177	180	189	237
	Cotton	F	31	750	57	131	146	151	171	179	179	186	189	189	237
	Cotton	M	101	808	63	121	128	133	145	158	167	176	177	177	230
	Woolen	M & F	60	322	80	125	135	136	140	143	148	155	173	179	229
	Woolen	F	9	94	80	109	148	148	148	149	173	179	179	179	179
	Woolen	M	51	228	88	125	133	135	140	140	142	149	155	175	229
	Metals	M	112	922	68	125	130	142	144	145	148	153	157	163	257
	Building	M	41	391	73	131	140	149	150	156	171	175	178	183	240
	City	M	21	656	120	148	164	200	200	200	200	200	200	212	233

<sup>1</sup> Including gingham.

TABLE 35—(CONTINUED).  
*Relative rates of wages of all employees, and of males and females, in five industries, in January and July, 1860-1880.*

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1876 July	Cotton <sup>1</sup>	M & F	132	1705	57	124	133	146	155	156	162	168	174	179	237
	Cotton	F	31	842	57	133	152	162	168	168	168	174	178	182	209
	Cotton	M	101	863	63	119	126	133	146	155	155	155	160	166	237
	Woolen	M & F	59	342	80	109	126	134	137	144	147	150	173	177	229
	Woolen	F	9	94	80	122	144	144	149	163	173	177	177	194	229
	Woolen	M	50	248	83	105	122	134	136	137	137	147	150	169	229
	Metals	M	117	910	63	120	128	134	138	141	144	148	151	158	236
	Building	M	42	614	103	137	139	140	150	157	166	175	176	195	240
	City	M	21	768	120	120	120	125	160	175	200	200	200	200	225
1877 Jan.	Cotton <sup>1</sup>	M & F	133	1656	56	123	138	145	146	151	156	158	170	171	237
	Cotton	F	31	817	56	133	155	156	156	156	164	170	171	171	212
	Cotton	M	102	839	72	119	127	133	144	146	146	146	151	167	237
	Woolen	M & F	52	319	80	105	124	130	130	137	141	145	150	176	226
	Woolen	F	8	84	80	120	134	141	144	144	144	176	176	176	202
	Woolen	M	44	235	83	105	122	130	130	130	137	137	145	169	226
	Metals	M	118	915	73	115	115	123	132	135	140	145	150	159	236
	Building	M	40	329	97	119	125	125	125	127	144	157	163	181	244
	City	M	21	609	100	100	100	160	160	160	160	160	160	174	200
1877 July	Cotton <sup>1</sup>	M & F	133	1672	56	124	134	142	147	151	158	163	168	174	237
	Cotton	F	31	833	56	134	154	156	163	163	168	168	171	174	212
	Cotton	M	102	839	72	119	128	134	140	147	147	147	147	165	237
	Woolen	M & F	60	370	80	109	130	136	141	141	144	144	164	180	235
	Woolen	F	9	91	80	131	132	144	144	151	169	180	180	180	235
	Woolen	M	51	279	83	107	127	136	138	141	141	141	144	171	226
	Metals	M	117	899	68	102	115	123	128	133	138	144	150	154	236
	Building	M	42	727	63	128	125	125	125	131	138	153	156	161	267
	City	M	21	441	100	100	100	101	136	160	160	160	160	176	200

<sup>1</sup> Including gingham.

TABLE 35—(CONTINUED).  
*Relative rates of wages of all employees, and of males and females, in five industries, in January and July, 1860-1880.*

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1878 Jan.	Cotton <sup>1</sup>	M & F	131	1668	57	118	134	142	153	153	162	168	171	175	237
	Cotton	F	31	833	57	135	158	161	168	168	169	171	171	175	228
	Cotton	M	100	835	57	113	126	133	140	148	153	153	153	164	237
	Woolen	M & F	60	358	80	108	130	136	141	141	144	146	166	183	237
	Woolen	F	9	93	80	98	131	144	144	162	169	183	183	223	237
	Woolen	M	51	265	83	108	126	136	139	141	141	146	146	166	237
	Metals	M	117	1007	66	105	115	120	126	134	137	140	145	153	296
	Building	M	40	331	84	119	125	125	125	126	141	155	160	165	267
	City	M	21	330	100	100	104	140	148	159	160	160	160	160	200
1878 July	Cotton <sup>1</sup>	M & F	131	1725	57	119	131	142	148	148	158	167	175	179	283
	Cotton	F	31	864	57	131	153	158	167	167	169	175	175	179	232
	Cotton	M	100	861	57	113	126	134	140	146	148	148	148	168	283
	Woolen	M & F	60	380	80	108	131	136	140	144	145	152	169	186	244
	Woolen	F	9	105	80	106	131	144	144	158	169	186	186	244	244
	Woolen	M	51	275	83	108	130	135	139	140	145	145	148	175	232
	Metals	M	118	936	58	105	115	120	125	130	134	137	144	157	236
	Building	M	40	610	63	114	121	125	125	125	131	151	158	162	221
	City	M	20	418	100	100	100	100	112	148	159	160	160	160	195
1879 Jan.	Cotton <sup>1</sup>	M & F	131	1756	47	118	128	140	144	144	153	165	171	177	225
	Cotton	F	32	862	47	131	141	153	165	165	169	171	177	181	217
	Cotton	M	99	894	73	115	120	127	136	142	144	144	144	151	225
	Woolen	M & F	60	342	80	108	127	128	131	138	141	144	167	184	239
	Woolen	F	9	94	80	100	131	144	144	167	169	184	184	239	239
	Woolen	M	51	248	83	108	127	128	128	131	138	141	141	167	232
	Metals	M	122	940	79	100	115	119	124	127	132	135	139	151	222
	Building	M	39	326	84	113	125	125	125	134	141	144	157	163	212
	City	M	21	337	98	98	98	100	129	148	160	160	160	160	195

<sup>1</sup> Including gingham.

TABLE 35—(CONCLUDED).  
*Relative rates of wages of all employees, and of males and females, in five industries, in January and July: 1860-1880.*

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1879 July	Cotton <sup>1</sup>	M & F	131	1799	47	118	125	140	142	142	154	160	171	187	225
	Cotton	F	32	894	47	142	150	155	160	160	168	171	179	187	223
	Cotton	M	99	905	73	113	119	123	132	140	142	142	142	148	225
	Woolen	M & F	60	328	80	108	128	128	133	139	140	154	167	181	269
	Woolen	F	9	91	80	98	131	144	144	161	168	181	181	181	269
	Woolen	M	51	237	83	108	126	128	131	138	139	140	154	175	254
	Metals	M	123	1021	79	104	115	120	125	128	130	138	137	150	238
	Building	M	41	697	77	113	125	125	128	136	144	150	157	159	221
	City	M	21	468	99	99	99	99	100	100	129	148	160	160	195
	Cotton <sup>1</sup>	M & F	132	1774	52	119	130	141	141	149	164	166	175	187	232
1880 Jan.	Cotton	F	32	873	52	149	154	164	164	166	170	175	187	213	282
	Cotton	M	100	901	80	118	120	127	135	141	141	141	141	164	214
	Woolen	M & F	61	346	80	115	125	130	130	132	140	150	172	177	254
	Woolen	F	10	101	80	97	125	132	132	171	172	177	177	177	247
	Woolen	M	51	245	92	115	124	130	130	131	136	140	143	167	254
	Metals	M	124	1180	79	109	120	126	128	130	132	138	141	153	215
	Building	M	40	383	75	118	125	128	133	138	148	149	156	161	200
	City	M	21	260	100	100	101	101	125	145	148	160	160	160	195
	Cotton <sup>1</sup>	M & F	132	1818	57	124	134	140	140	152	163	163	173	187	228
	Cotton	F	32	900	57	151	155	163	163	163	173	173	187	208	228
1880 July	Cotton	M	100	918	80	117	127	129	137	140	140	140	145	166	225
	Woolen	M & F	61	367	80	115	130	130	130	132	138	145	174	176	311
	Woolen	F	10	95	80	103	125	132	132	174	176	176	176	181	311
	Woolen	M	51	272	92	115	130	130	130	131	138	138	145	171	254
	Metals	M	125	1526	79	115	120	126	132	135	137	142	150	159	215
	Building	M	41	678	70	109	129	140	150	150	150	152	157	166	208
	City	M	21	445	100	100	123	123	123	123	144	148	160	160	210
	Cotton <sup>1</sup>	M & F	132	1818	57	124	134	140	140	152	163	163	173	187	228
	Cotton	F	32	900	57	151	155	163	163	163	173	173	187	208	228
	Cotton	M	100	918	80	117	127	129	137	140	140	140	145	166	225

<sup>1</sup> Including gingham.

TABLE 36.

*Average distribution of all employees in five industries separately, and in all industries together, over the field covered by the fluctuations of relative rates of wages, from 1860-1880.*

NOTE.—Based upon Table 35 in the same manner as Table 34 is based upon Table 33.

Average intervals between	All in- dustries	Cotton textiles <sup>1</sup>	Woolen textiles	Metals and metal- lic goods	Building trades	City public works
	Points	Points	Points	Points	Points	Points
Lowest relative wages and 1st dec.	58.0	49.2	34.4	40.9	48.9	32.6
1st and 2d deciles	10.2	11.5	10.1	8.9	9.0	15.6
2d and 3d deciles	6.5	8.1	4.1	4.2	4.6	12.4
3d and 4th deciles	6.2	6.1	4.5	3.6	2.8	4.9
4th deciles and Medians	6.2	6.5	3.8	3.4	4.6	3.3
Medians and 6th deciles	6.3	5.3	4.2	5.0	6.7	2.7
6th and 7th deciles	7.0	4.1	5.1	4.3	6.4	1.4
7th and 8th deciles	6.4	6.5	12.2	5.6	6.0	1.3
8th and 9th deciles	9.7	11.1	9.3	6.4	12.3	3.7
9th deciles and highest relative wages	95.1	48.6	67.2	67.0	61.7	24.4
Lowest and highest relative wages	211.6	157.0	154.9	149.3	163.0	102.3

the January medians being higher in 1871 and 1872, and lower in 1873 and 1874. The only industry which exhibits these movements in more marked degree than the total is stone (not shown in Table 35). Further, arithmetic means for all industries (see Table 37, below) make these movements appear much more moderate in degree than do the medians, and so also do the other deciles. The medians for all industries must, therefore, be held to give an exaggerated impression of the degree of differences between relative wages in January and July of these years.

On examining relative wages in the same industry at different dates, one finds marked similarity of general trend shown by the movements of the nine deciles, co-existing with rather wide and fairly constant intervals between the extreme deciles. Also, on examining relative wages in different industries on the same and on different dates, one finds similarity of trend co-existing with considerable differences in degree of movement. These latter agreements and differences may be more conveniently studied in the table of arithmetic means which follows than in

<sup>1</sup> Including gingham.

TABLE 37.

*Arithmetic means of relative rates of wages in nine industries and in all industries: January and July, 1860-1880.*

*Data obtained from the exhibits of the Aldrich Report.*

NOTE.—Regarding method of construction, see pp. 94, 95.

		All industries	Cotton textiles	Ginghams	Cotton textiles and ginghams	Woolen textiles	Metals and metallic goods	Building trades	Stone	Railroads	Illuminating gas	City Public works
Number of establishments		78	3	1	4	3	19	21	6	1	4	4
No. of series		527	105	30	135	62	138	42	19	11	22	22
Av. no. of employees		5733	715	707	1422	283	1094	436	488	269	394	953
1860	Jan.	100	100	100	100	100	100	100	100	100	100	100
	July	100	101	100	100	103	101	102	100	103	99	100
1861	Jan.	102	97	103	100	106	102	101	128	105	100	100
	July	99	97	109	102	107	103	102	91	105	99	91
1862	Jan.	102	98	105	101	108	105	103	96	105	100	99
	July	104	98	110	103	111	108	107	90	103	103	99
1863	Jan.	116	107	109	108	120	114	118	100	106	125	122
	July	119	109	107	108	114	120	118	113	109	142	123
1864	Jan.	131	123	107	116	122	126	128	143	114	157	144
	July	142	130	118	124	128	139	143	135	112	162	169
1865	Jan.	152	138	131	135	142	149	145	155	144	176	175
	July	155	141	148	146	142	150	158	151	146	175	178
1866	Jan.	161	159	160	159	149	155	162	172	138	183	181
	July	164	163	169	166	153	157	171	158	148	181	182
1867	Jan.	168	166	170	168	149	158	174	168	155	183	186
	July	168	167	171	169	148	159	186	162	160	185	188
1868	Jan.	167	164	169	166	141	159	180	178	156	185	186
	July	170	165	170	167	145	159	195	175	161	186	190
1869	Jan.	176	165	171	168	149	160	195	196	156	195	192
	July	179	172	173	173	146	160	199	205	162	189	191
1870	Jan.	181	166	171	169	147	161	192	200	165	192	210
	July	179	166	178	172	147	159	188	201	158	189	202
1871	Jan.	183	176	189	182	148	158	178	188	171	199	213
	July	184	178	190	184	149	159	187	198	170	195	204
1872	Jan.	179	183	198	190	148	158	185	186	167	196	198
	July	185	183	195	189	148	161	190	203	171	205	201
1873	Jan.	180	176	197	185	149	161	180	182	158	221	196
	July	183	179	200	189	150	163	186	198	162	204	195
1874	Jan.	176	163	188	175	145	158	178	182	160	212	199
	July	175	162	193	177	149	159	182	180	160	200	193
1875	Jan.	167	150	176	162	150	151	168	167	161	200	193
	July	163	150	178	163	152	148	170	161	158	182	181
1876	Jan.	162	144	176	160	148	146	160	169	150	193	190
	July	153	145	161	154	144	141	160	141	151	173	166
1877	Jan.	147	141	155	149	139	135	143	140	147	184	150
	July	143	142	156	150	144	133	140	130	142	165	140
1878	Jan.	145	144	159	153	144	132	141	133	139	169	143
	July	143	146	157	153	147	131	137	130	138	156	134
1879	Jan.	142	142	155	149	142	127	139	125	146	162	135
	July	139	146	151	149	143	128	139	125	147	157	123
1880	Jan.	142	152	153	152	143	130	138	124	153	158	133
	July	144	154	154	154	144	135	146	133	153	159	135

the detailed table of deciles. All of the industries are found to participate in the advance of wages during the war; all show higher rates in 1872 than in 1865; all show a decided fall in the later 70's; all show an advance in 1880; all show arithmetic means in July, 1880, varying from 33 to 59 points above the level for 1860. The character of the differences which co-exist with these agreements is sufficiently illustrated by the following statements of the varying maxima attained by arithmetic means for the different industries and the dates when they occurred.

Industries	Highest arithmetic means of relative wages	Dates of maxima
All industries	185	July, 1872
Cotton textiles	183	Jan. and July, 1872
Ginghams	200	July, 1873
Woolen textiles	153	July, 1866
Metals	163	July, 1873
Building trades	199	July, 1869
Stone	205	July, 1869
Railways	171	July, 1871 and July, 1872
Illuminating gas	221	Jan., 1873
City public works	213	Jan., 1871

The preceding table of deciles and the following table of arithmetic means (Table 38) make it possible to compare the wages of males and females in the same industries. It appears that during the years of large enlistments in the army, wages of men advanced more rapidly than those of women—a rule to which the one establishment manufacturing ginghams affords a doubtful exception. But after 1869 the relative wages of women almost always stand higher, and by the end of the period the differences in favor of women are wide in all industries.

*e.—Relative Wages in Various Occupations.*

Table 39 presents deciles for those occupations which are most fully represented by the material obtained from the *Aldrich Report*. Most of the occupations are recognized trades; but in preparation for Table 40 I have also included apprentices and foremen, to whatever trade they belong, as single series. The table shows a considerable range of variation in the relative wages of all the occupations—a range which in most cases is much wider



TABLE 38.

*Arithmetic means of relative rates of wages of male and female employees in various industries: January and July, 1860-1880.*

*Data obtained from the exhibits of the Aldrich Report.*

NOTE.—Regarding method of construction, see pp. 94, 95.

		All industries in which both males and females were employed		Cotton textiles		Ginghams		Woolen textiles	
		Males	Females	Males	Females	Males	Females	Males	Females
No. of series		178	50	82	23	21	9	51	11
Av. no. of employ's		1049	837	419	296	301	406	212	71
1860	Jan.	100	100	100	100	100	100	100	100
	July	100	101	100	101	100	101	103	103
1861	Jan.	99	102	96	98	100	104	106	108
	July	100	106	97	98	102	113	107	106
1862	Jan.	100	104	98	97	99	109	107	112
	July	102	107	99	96	101	116	110	115
1863	Jan.	110	109	107	106	101	113	121	117
	July	109	109	109	108	101	110	113	116
1864	Jan.	120	112	127	115	104	109	122	120
	July	130	120	136	121	117	118	128	127
1865	Jan.	142	128	144	125	128	133	146	130
	July	146	142	148	130	143	151	144	136
1866	Jan.	156	156	159	159	158	161	152	143
	July	161	163	162	163	167	171	155	148
1867	Jan.	160	166	167	164	164	174	149	148
	July	162	167	168	165	162	178	148	147
1868	Jan.	160	164	166	160	160	176	140	145
	July	161	165	168	162	162	175	143	149
1869	Jan.	162	166	168	161	162	177	147	154
	July	161	173	169	177	162	181	143	154
1870	Jan.	161	168	166	167	164	178	146	150
	July	163	169	167	164	172	183	146	149
1871	Jan.	166	183	170	182	175	199	146	154
	July	167	188	170	180	178	199	147	155
1872	Jan.	170	193	178	190	183	210	146	156
	July	171	191	180	188	180	207	146	154
1873	Jan.	168	190	173	180	180	211	146	153
	July	170	193	176	184	181	216	143	157
1874	Jan.	159	178	162	165	172	201	142	153
	July	164	180	163	161	177	205	146	155
1875	Jan.	155	167	150	150	165	186	147	158
	July	155	167	149	151	166	187	150	157
1876	Jan.	152	165	142	146	165	185	144	157
	July	146	161	141	151	152	170	138	158
1877	Jan.	142	155	137	145	147	162	135	150
	July	142	158	138	147	145	165	140	156
1878	Jan.	142	162	134	157	149	168	140	156
	July	141	163	135	159	145	168	142	157
1879	Jan.	137	159	130	157	143	166	137	156
	July	136	161	129	166	139	162	138	155
1880	Jan.	137	164	135	171	139	167	139	153
	July	139	165	137	172	140	167	139	156

than that between the medians of different occupations at the same date. It also shows that all occupations shared in the advance of wages after the issue of the greenbacks, though in varying degrees and with varying promptness. Laborers appear to have fared best during the war, and apprentices, engineers, and overseers in textile factories to have fared worst. All occupations, except teamsters, also show higher rates in 1872 than in 1865; all except overseers in textile mills suffered a decline during the later '70's; all except apprentices and painters secured an advance between July, 1879, and July, 1880; and at the last date all show relative wages ranging from 13 to 71 points higher than in 1860. The extreme differences between the medians for the 15 occupations exceeded 50 points during the war, rose to 101 points in July, 1869, and receded to an average of about 50 points in the years of business depression following 1873.

The detail of Table 39 is so abundant as to obscure broad differences. I have therefore grouped the occupations there represented into four "grades" of wage-earners, under the captions "unskilled laborers," "helpers of craftsmen," "skilled craftsmen," and "foremen and overseers." Various occupations not represented by enough series to be given a place in the table of deciles, but which could be definitely assigned to one of these grades, were also included. The result is to show that until July, 1875, the two higher grades fared decidedly worse than the two lower grades, though skilled craftsmen were better off than foremen and overseers. The relative stability in the wages of foremen and overseers, which had told against them during the years of rising wages, told in their favor during the years of falling wages, and to such an extent that at several dates from 1876 to 1880 they had the highest relative wage of any grade. Skilled craftsmen, however, show lower relative wages than their helpers during the years of the fall as well as during the years of the rise. As between these helpers and unskilled laborers, the table shows the latter in the lead from 1863 to January, 1866, and from January, 1869, to July, 1874, and the former in the lead from 1875 to 1880. On the whole, the relative wages of unskilled laborers show greater mobility than those of any other grade—a sharper rise during the war, wider fluctuations in the uncertain



TABLE 39—(CONTINUED).  
*Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.*

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1861 July	Laborers	38	1966	80	90	90	90	90	90	90	98	98	100	129
	Watchmen	12	36	72	81	89	94	100	100	100	100	100	100	120
	Teamsters	9	26	87	87	92	99	100	100	104	104	104	107	107
	Apprentices	13	49	72	72	83	84	89	91	109	109	114	124	133
	Bricklayers	12	190	90	90	90	90	90	91	97	100	100	101	113
	Carpenters	18	263	83	87	97	99	100	100	100	102	111	111	122
	Painters	12	81	75	99	100	100	100	100	100	101	101	101	117
	Blacksmiths	15	68	88	93	96	96	96	96	97	97	100	101	103
	Blacksmiths' helpers	11	54	84	84	96	100	100	100	100	100	101	103	107
	Machinists	23	350	94	97	97	97	99	100	103	106	120	120	121
	Engineers	11	64	88	99	100	100	100	100	100	100	100	100	107
	Molders	13	140	94	100	100	100	100	100	100	101	102	117	118
	Pattern makers	12	30	89	89	94	97	97	100	101	105	112	112	136
	Foremen	23	31	99	100	100	100	100	100	100	105	105	107	120
	Overseers, textile mills	32	39	75	83	85	100	100	100	100	105	107	113	125
1862 Jan.	Laborers	38	1449	80	99	99	100	100	100	100	100	100	100	142
	Watchmen	10	31	81	81	89	100	100	100	100	100	100	100	120
	Teamsters	10	22	84	92	94	100	100	107	108	108	108	108	133
	Apprentices	13	52	81	84	89	93	99	99	107	107	114	133	134
	Bricklayers	11	77	84	84	88	88	97	98	106	106	113	113	113
	Carpenters	18	179	86	90	98	100	100	105	107	107	107	107	127
	Painters	11	29	75	100	100	100	100	107	107	111	114	117	140
	Blacksmiths	17	63	88	93	94	96	97	97	97	103	103	106	200
	Blacksmiths' helpers	12	54	92	96	97	100	100	100	103	103	109	109	180
	Machinists	24	460	94	97	100	100	100	103	105	108	132	132	132
	Engineers	12	65	88	99	100	100	100	100	100	100	100	100	111
	Molders	13	113	96	100	101	101	101	103	104	104	117	117	123
	Pattern makers	11	29	94	94	94	99	100	100	107	107	112	113	116
	Foremen	23	33	94	100	100	100	100	100	104	106	106	107	120
	Overseers, textile mills	31	37	83	83	85	100	100	100	100	100	109	113	137

TABLE 39—(CONTINUED).  
*Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.*

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1862 July	Laborers	39	1745	80	91	97	100	100	100	100	100	100	103	142
	Watchmen	11	30	81	81	94	100	100	100	100	100	100	102	120
	Teamsters	10	24	89	92	94	100	100	107	109	109	109	109	133
	Apprentices	13	50	88	88	91	91	95	108	108	109	111	114	152
	Bricklayers	11	93	83	88	88	98	105	105	105	113	113	113	113
	Carpenters	18	187	86	87	95	95	99	100	100	103	113	127	143
	Painters	12	81	75	91	100	100	100	100	100	100	100	103	140
	Blacksmiths	16	58	88	96	97	97	99	100	104	104	106	111	200
	Blacksmiths' helpers	12	54	91	92	92	100	104	104	104	111	111	113	180
	Machinists	24	427	84	100	102	102	103	105	109	112	115	132	132
	Engineers	11	58	88	99	100	100	100	100	100	100	100	100	111
	Molders	13	112	94	97	100	102	102	102	115	115	117	129	129
	Pattern makers	13	47	90	94	98	98	100	110	110	110	113	114	116
	Foremen	22	34	94	100	100	100	100	100	102	102	102	105	120
	Overseers, textile mills	32	38	75	78	83	85	100	100	100	109	113	117	137
1863 Jan.	Laborers	38	129	89	104	115	125	125	125	125	125	125	140	142
	Watchmen	13	38	73	94	94	100	100	100	100	100	107	114	125
	Teamsters	10	23	89	89	98	100	107	112	112	112	112	116	133
	Apprentices	12	44	89	89	89	94	96	96	102	102	113	117	152
	Bricklayers	10	50	82	82	93	100	100	100	110	115	125	158	158
	Carpenters	18	154	86	90	98	98	99	100	100	108	114	114	143
	Painters	10	35	86	95	100	100	100	107	116	116	119	119	140
	Blacksmiths	17	63	96	96	100	102	104	106	106	112	113	114	200
	Blacksmiths' helpers	12	48	86	100	100	111	113	113	113	114	114	120	180
	Machinists	24	393	86	100	103	103	106	110	112	122	122	180	180
	Engineers	13	67	89	94	100	105	105	105	105	105	105	111	129
	Molders	13	94	97	100	103	105	105	107	107	117	117	129	129
	Pattern makers	11	57	89	94	99	104	104	110	110	110	116	121	125
	Foremen	22	33	97	97	97*	97	100	100	100	104	111	114	125
	Overseers, textile mills	32	38	78	100	100	100	100	103	106	114	119	137	218

TABLE 39—(CONTINUED).  
*Relative rates of wages of men in fifteen occupations: January and July, 1860–1880.*

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1863 July	Laborers	38	1643	96	111	114	114	125	125	125	125	125	125	148
	Watchmen	13	39	73	94	94	100	100	100	100	100	107	125	136
	Teamsters	10	26	83	98	100	107	121	121	121	121	121	122	167
	Apprentices	9	31	69	69	89	89	102	105	108	118	133	137	182
	Bricklayers	11	79	87	102	105	105	110	110	110	113	115	125	131
	Carpenters	19	274	92	100	100	100	106	108	108	112	114	121	171
	Painters	12	84	97	100	102	107	109	113	113	113	113	113	167
	Blacksmiths	17	66	94	106	108	110	114	117	117	117	126	140	200
	Blacksmiths' helpers	12	68	103	108	118	124	124	125	125	125	125	156	180
	Machinists	23	406	91	103	103	106	112	113	116	126	126	180	180
	Engineers	12	70	92	94	105	105	105	105	105	105	105	111	139
	Molders	13	120	100	103	110	110	112	112	115	117	122	122	147
	Pattern makers	12	60	90	102	111	116	116	117	117	117	127	133	150
1864 Jan.	Foremen	21	36	100	100	101	101	101	101	106	111	114	125	128
	Overseers, textile mills	31	36	78	100	100	100	100	100	103	114	120	143	218
	Laborers	39	1613	96	123	136	142	147	150	150	150	150	150	173
	Watchmen	12	35	73	100	100	113	116	116	116	116	120	134	159
	Teamsters	11	24	94	94	100	111	117	117	124	124	131	131	167
	Apprentices	9	34	90	90	90	103	106	106	114	119	121	139	205
	Bricklayers	11	69	92	114	119	120	120	125	125	125	125	133	151
	Carpenters	19	192	100	110	111	113	121	129	131	131	131	145	171
	Painters	11	38	89	96	97	97	110	110	113	113	114	140	150
	Blacksmiths	17	68	100	114	118	120	124	129	132	135	137	139	200
	Blacksmiths' helpers	12	75	100	125	128	129	132	132	133	135	141	141	180
	Machinists	23	445	94	115	117	120	120	120	125	131	141	165	235
	Engineers	13	71	92	96	106	106	106	106	106	106	107	112	143
	Molders	13	118	100	113	113	117	120	120	123	123	126	132	147
	Pattern makers	12	69	106	111	119	119	125	129	129	129	143	143	152
	Foremen	21	27	100	100	110	117	117	117	120	122	128	135	175
	Overseers, textile mills	30	36	78	98	100	100	111	114	120	129	133	150	218

TABLE 39—(CONTINUED).  
*Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.*

Date	Occupation	No. of series	No. of persons	Lowest decile	1st decile	2d decile	3d decile	4th decile	Median decile	6th decile	7th decile	8th decile	9th decile	High- est
1864 July	Laborers	40	1519	100	130	135	135	142	173	180	180	180	180	180
	Watchmen	13	36	73	113	113	117	140	145	145	145	145	158	159
	Teamsters	11	23	94	94	107	111	133	139	139	139	139	155	233
	Apprentices	13	56	83	83	83	99	100	123	123	123	123	138	129
	Bricklayers	12	136	102	102	125	125	125	131	131	140	150	150	178
	Carpenters	19	228	108	118	119	129	131	135	150	150	164	171	171
	Painters	12	109	103	119	130	140	143	150	150	150	150	175	175
	Blacksmiths	16	70	114	132	133	140	140	144	151	160	170	200	200
	Blacksmiths' helpers	12	75	121	147	147	147	147	152	156	165	174	174	200
	Machinists	25	510	107	124	125	125	129	144	154	157	158	165	165
	Engineers	13	71	92	96	106	106	106	106	106	106	106	128	158
	Molders	13	159	120	120	120	125	126	137	137	137	138	158	176
	Pattern makers	12	68	120	136	139	139	140	140	140	146	150	158	174
	Foremen	23	34	68	117	117	117	117	120	129	138	157	167	192
1865 Jan.	Overseers, textile mills	32	38	88	100	100	111	113	117	125	129	150	157	218
	Laborers	40	1242	81	133	151	152	159	182	190	190	190	190	198
	Watchmen	13	37	100	115	123	132	145	145	145	145	150	158	159
	Teamsters	11	25	91	91	107	111	133	146	146	146	148	159	233
	Apprentices	12	59	85	85	85	98	116	116	129	129	148	151	189
	Bricklayers	11	55	104	116	125	139	139	150	150	150	160	160	192
	Carpenters	20	211	108	126	128	136	143	150	170	170	170	171	183
	Painters	12	49	103	130	130	143	144	145	150	150	150	164	183
	Blacksmiths	16	70	114	136	151	151	155	155	159	167	176	176	200
	Blacksmiths' helpers	12	71	121	148	148	159	160	167	171	172	172	178	200
	Machinists	25	499	110	127	136	136	149	157	157	164	171	180	181
	Engineers	13	73	96	125	125	125	125	125	125	125	128	135	172
	Molders	13	135	120	136	141	141	142	145	149	149	164	176	176
	Pattern makers	12	56	136	138	145	147	147	150	153	153	159	175	175
	Foremen	22	38	117	127	127	127	129	133	140	143	152	167	225
	Overseers, textile mills	32	39	88	100	102	111	117	120	121	138	150	177	262

TABLE 39—(CONTINUED).  
*Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.*

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1865 July	Laborers	38	1259	81	144	144	153	155	163	182	190	190	190	190
	Watchmen	13	38	100	117	129	132	145	145	145	158	158	158	175
	Teamsters	11	27	91	91	107	122	142	158	158	158	158	169	233
	Apprentices	10	50	77	77	86	118	118	118	140	140	140	157	189
	Bricklayers	12	97	96	137	143	146	146	150	150	150	150	160	192
	Carpenters	20	245	108	133	147	163	163	163	165	165	165	174	197
	Painters	13	93	104	133	142	143	175	175	175	175	175	195	200
	Blacksmiths	16	65	114	136	150	151	152	164	164	164	173	179	200
	Blacksmiths' helpers	12	67	121	146	146	160	165	170	170	177	177	178	200
	Machinists	25	478	113	134	137	137	144	150	159	166	168	180	183
	Engineers	13	80	96	125	130	180	180	180	180	180	180	189	172
	Molders	13	127	120	142	145	147	147	147	147	149	152	160	176
	Pattern makers	12	53	120	140	144	150	150	159	161	161	175	175	179
	Foremen	23	39	67	128	128	128	129	140	143	150	160	175	225
	Overseers, textile mills	32	39	100	108	111	113	117	120	121	125	150	190	262
1866 Jan.	Laborers	40	1257	104	152	163	174	177	182	190	190	190	190	197
	Watchmen	13	36	100	117	132	150	165	165	174	174	174	174	175
	Teamsters	11	23	100	107	117	122	133	160	160	163	169	169	233
	Apprentices	12	51	77	97	120	122	122	145	145	145	156	156	267
	Bricklayers	11	78	105	105	105	143	143	147	147	150	150	175	225
	Carpenters	20	227	121	135	135	140	143	151	151	171	175	175	197
	Painters	12	60	120	132	140	143	152	152	156	160	175	175	227
	Blacksmiths	15	66	114	132	151	152	156	164	164	165	184	200	217
	Blacksmiths' helpers	12	66	121	147	147	173	173	176	176	177	177	179	200
	Machinists	25	560	120	141	141	143	153	158	168	169	173	180	183
	Engineers	13	70	96	119	130	180	180	180	180	180	182	189	172
	Molders	13	161	120	141	147	149	149	149	153	158	167	170	186
	Pattern makers	13	56	135	142	147	161	161	171	175	176	177	177	180
	Foremen	23	36	98	101	127	127	129	133	150	160	165	171	192
	Overseers, textile mills	32	38	108	111	117	120	133	133	143	129	157	164	262



TABLE 39—(CONTINUED).  
*Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.*

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1866 July	Laborers	39	1418	104	152	156	158	158	158	173	190	190	190	197
	Watchmen	13	33	100	119	129	150	160	165	174	174	174	174	175
	Teamsters	11	27	100	107	117	122	142	156	156	163	169	169	233
	Apprentices	11	50	81	81	97	106	122	132	154	154	160	160	227
	Bricklayers	42	122	109	147	150	150	150	150	167	167	175	175	225
	Carpenters	19	279	121	143	151	156	156	164	175	175	182	182	203
	Painters	13	103	120	140	143	175	175	175	175	175	177	198	217
	Blacksmiths	16	71	114	145	148	153	158	159	167	167	178	200	217
	Blacksmiths' helpers	11	66	121	151	151	167	172	176	176	176	176	180	200
	Machinists	24	595	121	145	146	149	154	167	169	176	176	180	180
	Engineers	13	71	100	125	131	131	131	131	131	131	133	143	186
	Molders	13	160	120	143	146	150	152	153	155	155	168	171	176
	Pattern makers	13	55	135	142	148	152	173	173	178	178	181	181	186
	Foremen	24	32	98	100	129	139	147	150	150	160	167	183	257
1867 Jan.	Overseers, textile mills	32	38	108	111	120	123	133	133	143	157	167	201	262
	Laborers	39	1534	104	154	170	177	182	182	182	182	190	200	200
	Watchmen	13	35	100	129	129	150	159	165	174	174	174	174	175
	Teamsters	9	22	107	117	122	133	142	156	160	160	169	169	200
	Apprentices	11	58	78	78	97	102	137	150	150	150	164	164	303
	Bricklayers	11	63	109	156	156	166	173	175	175	175	200	200	222
	Carpenters	19	222	121	144	152	153	171	175	175	179	191	191	204
	Painters	12	62	120	137	140	143	146	146	175	175	175	200	217
	Blacksmiths	16	69	114	148	153	159	160	166	168	168	168	200	217
	Blacksmiths' helpers	12	55	121	152	160	176	177	177	177	177	178	180	200
	Machinists	24	591	120	148	148	148	158	167	173	176	180	180	182
	Engineers	13	68	100	116	132	146	146	146	146	146	146	146	193
	Molders	13	159	120	140	143	145	151	151	156	156	167	172	176
	Pattern makers	13	55	139	156	156	172	172	173	175	177	180	186	192
	Foremen	24	33	98	117	129	145	145	150	160	167	180	186	257
	Overseers, textile mills	32	39	108	117	120	125	133	138	150	157	167	201	262

TABLE 39—(CONTINUED).  
Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1867 July	Laborers	39	1164	104	152	157	157	159	162	162	174	200	200	200
	Watchmen	13	36	100	129	140	150	160	165	174	174	174	174	175
	Teamsters	9	22	120	122	133	147	163	163	163	163	169	169	200
	Apprentices	11	59	74	80	80	101	114	114	144	161	183	183	183
	Bricklayers	12	126	109	165	175	175	175	180	180	194	200	250	250
	Carpenters	19	292	121	143	152	152	176	188	188	190	203	203	233
	Painters	13	129	130	152	156	171	200	200	200	200	219	219	219
	Blacksmiths	16	69	114	142	158	158	163	163	166	168	200	217	217
	Blacksmiths' helpers	12	59	121	158	158	167	173	175	177	177	180	200	200
	Machinists	24	526	119	146	149	149	153	167	171	179	180	181	200
	Engineers	13	104	100	132	147	147	147	147	147	147	147	147	193
	Molders	13	165	133	151	151	151	153	154	156	159	163	167	172
1868 Jan.	Pattern makers	13	55	143	163	165	168	175	175	175	182	183	203	203
	Foremen	24	36	98	117	139	155	155	155	163	167	180	195	257
	Overseers, textile mills	32	39	115	117	120	133	133	138	150	157	175	175	262
	Laborers	38	1031	104	150	155	168	175	175	184	184	200	200	200
	Watchmen	13	40	100	129	140	144	180	165	174	174	174	174	174
	Teamsters	9	21	120	133	133	150	163	164	164	164	169	169	200
	Apprentices	12	60	74	92	108	109	109	134	139	151	161	168	197
	Bricklayers	11	89	109	130	147	147	175	184	190	201	201	222	225
	Carpenters	19	297	113	148	151	161	161	166	166	170	175	198	217
	Painters	12	58	120	143	151	151	152	159	171	200	200	205	217
	Blacksmiths	16	57	114	150	156	163	168	163	168	168	168	200	217
	Blacksmiths' helpers	12	45	121	160	167	174	177	177	177	177	180	200	200
1868 Jan.	Machinists	24	485	119	146	148	148	154	165	168	180	180	182	200
	Engineers	18	71	100	119	132	144	144	144	144	144	144	150	193
	Molders	13	145	133	147	147	150	150	153	156	167	168	174	174
	Pattern makers	13	52	143	163	165	168	168	175	176	177	177	182	211
	Foremen	22	35	117	131	139	153	153	153	160	171	190	200	257
	Overseers, textile mills	31	37	100	120	122	133	135	142	150	150	157	181	236

TABLE 39—(CONTINUED).  
*Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.*

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1868 July	Laborers	40	1174	104	150	156	165	165	170	184	185	187	200	205
	Watchmen	13	36	100	129	140	144	159	165	174	174	174	174	176
	Teamsters	9	20	120	133	133	148	159	165	165	165	169	169	200
	Apprentices	12	57	96	106	106	106	129	135	135	147	159	159	213
	Bricklayers	12	167	109	165	175	175	190	213	213	225	225	226	226
	Carpenters	19	346	113	148	151	162	182	182	191	200	200	200	233
	Painters	13	147	120	149	160	175	175	175	175	180	205	216	233
	Blacksmiths	16	61	114	150	152	158	163	163	167	167	186	200	217
	Blacksmiths' helpers	12	47	121	160	160	167	167	177	177	177	180	200	200
	Machinists	24	504	119	143	144	151	158	167	171	173	180	180	200
	Engineers	13	65	100	119	132	144	144	144	144	144	144	158	215
	Molders	13	137	133	147	147	149	150	152	153	156	166	174	174
	Pattern makers	13	54	143	163	167	171	171	175	177	181	181	200	203
	Foremen	23	35	117	131	139	154	154	157	167	171	183	195	257
1869 Jan.	Overseers, textile mills	31	37	100	120	122	133	138	142	150	150	157	200	236
	Laborers	39	2044	104	150	165	188	200	200	200	204	204	205	205
	Watchmen	13	41	100	132	140	144	165	165	174	174	174	174	180
	Teamsters	10	24	111	111	120	133	133	159	165	165	169	169	200
	Apprentices	12	46	113	113	113	116	116	133	133	150	172	175	253
	Bricklayers	12	100	109	160	185	187	188	188	222	225	238	250	250
	Carpenters	19	227	113	149	152	154	169	169	200	200	200	217	233
	Painters	11	56	120	143	171	175	175	175	193	193	193	210	233
	Blacksmiths	16	63	118	150	154	158	163	167	168	168	186	200	217
	Blacksmiths' helpers	12	54	114	160	160	160	167	177	177	178	180	200	200
	Machinists	25	492	120	146	146	152	158	167	170	174	180	180	200
	Engineers	13	81	95	125	143	143	143	143	143	143	143	145	215
	Molders	13	141	133	150	151	153	154	154	155	155	167	173	174
	Pattern makers	13	58	143	160	163	169	177	177	177	181	181	200	209
	Foremen	22	33	117	133	139	151	151	151	167	180	195	200	257
	Overseers, textile mills	31	36	100	117	120	133	133	138	150	157	163	200	236

TABLE 39—(CONTINUED).  
*Relative rates of wages of men in fifteen occupations: January and July, 1860–1880.*

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1869 July	Laborers	39	2313	104	150	173	192	200	200	205	205	205	212	212
	Watchmen	13	38	100	132	140	144	159	165	174	174	174	174	180
	Teamsters	10	22	100	114	114	133	133	141	141	150	169	169	200
	Apprentices	11	53	103	115	115	116	116	124	143	143	176	176	303
	Bricklayers	11	170	98	175	175	175	182	197	200	217	227	250	250
	Carpenters	19	356	121	153	154	164	164	173	200	200	200	210	233
	Painters	13	134	120	161	161	171	225	225	225	225	225	225	233
	Blacksmiths	17	70	117	150	155	158	163	165	169	169	192	200	307
	Blacksmiths' helpers	11	54	114	160	160	167	175	178	180	180	180	200	200
	Machinists	25	531	120	149	149	153	155	162	171	179	180	180	200
	Engineers	13	72	95	121	132	164	164	164	164	164	164	164	215
	Molders	13	170	133	143	143	150	153	156	161	161	161	175	180
	Pattern makers	13	57	156	160	163	171	171	173	176	177	192	192	207
1870 Jan.	Foremen	23	33	117	133	139	146	146	163	171	183	200	200	237
	Overseers, textile mills	31	36	100	114	120	123	133	150	150	157	169	200	236
	Laborers	40	2364	89	154	180	191	208	208	208	220	220	227	227
	Watchmen	13	42	100	132	136	140	143	165	174	174	174	174	180
	Teamsters	10	23	100	110	114	114	133	141	141	148	169	169	200
	Apprentices	11	58	95	99	105	105	118	121	121	133	138	175	253
	Bricklayers	11	100	117	175	196	196	209	212	213	213	213	250	250
	Carpenters	19	303	121	147	148	151	173	175	188	188	197	210	233
	Painters	12	59	120	140	158	158	160	172	197	205	225	225	233
	Blacksmiths	17	75	118	133	148	158	161	167	167	186	192	200	217
	Blacksmiths' helpers	11	66	114	160	167	174	174	175	178	180	197	200	200
	Machinists	24	553	120	151	153	155	159	165	171	177	180	180	200
	Engineers	13	94	92	132	162	165	165	165	165	165	165	165	236
	Molders	13	155	133	150	153	154	154	156	157	162	166	173	180
	Pattern makers	13	56	150	150	163	177	180	181	181	183	186	192	203
	Foremen	23	31	91	117	133	144	144	163	171	183	195	200	257
	Overseers, textile mills	32	37	100	111	120	123	133	150	163	163	175	200	257

TABLE 39—(CONTINUED).  
*Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.*

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1870 July	Laborers	40	2125	78	140	165	187	203	204	209	209	220	220	220
	Watchmen	13	38	100	132	136	140	143	165	174	174	174	174	180
	Teamsters	10	26	100	114	115	115	133	133	141	148	159	169	200
	Apprentices	11	52	89	89	97	97	123	123	135	138	161	161	303
	Bricklayers	12	211	126	175	175	190	212	212	212	218	225	225	250
	Carpenters	20	389	121	133	147	153	159	159	170	175	175	233	233
	Painters	13	130	120	156	163	175	175	175	175	175	175	183	233
	Blacksmiths	17	82	109	128	155	158	159	167	168	192	192	200	217
	Blacksmiths' helpers	11	73	107	160	160	160	175	177	177	186	186	186	200
	Machinists	25	516	120	145	147	153	158	167	167	174	180	180	200
	Engineers	13	105	92	132	165	165	165	165	165	165	165	165	236
	Molders	13	157	120	145	153	155	163	163	163	164	166	175	180
	Pattern makers	13	53	139	148	150	173	177	179	184	184	187	200	201
1871 Jan.	Foremen	24	30	91	117	133	144	150	163	171	183	200	210	257
	Overseers, textile mills	32	37	75	111	120	123	133	150	163	163	175	200	229
	Laborers	39	1928	86	157	178	188	198	198	204	220	220	220	220
	Watchmen	13	39	110	140	140	150	159	164	174	174	174	174	180
	Teamsters	10	26	100	115	117	117	133	133	141	148	159	169	200
	Apprentices	10	40	71	71	95	100	130	130	133	138	142	155	164
	Bricklayers	11	121	126	175	175	185	190	196	200	212	212	212	222
	Carpenters	20	539	121	156	173	175	187	187	200	233	233	233	233
	Painters	12	67	130	143	163	163	163	171	175	175	175	212	233
	Blacksmiths	17	82	114	133	156	158	159	161	168	192	192	200	217
	Blacksmiths' helpers	12	63	107	150	160	160	174	177	177	183	183	190	200
	Machinists	25	480	119	145	150	155	160	167	167	175	180	180	200
	Engineers	13	93	92	132	162	166	166	166	166	166	166	166	178
	Molders	13	150	120	143	149	156	156	156	158	167	169	180	181
	Pattern makers	13	57	143	150	151	174	174	177	180	183	184	201	209
	Foremen	24	30	91	117	133	144	150	165	171	183	200	210	257
	Overseers, textile mills	32	38	81	100	117	120	133	150	163	175	182	200	222

TABLE 39—(CONTINUED).  
*Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.*

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1871 July	Laborers	40	2280	86	166	189	195	200	200	200	200	204	207	207
	Watchmen	13	39	110	140	140	150	159	164	174	174	174	174	180
	Teamsters	10	26	100	117	120	120	133	133	148	148	159	169	200
	Apprentices	11	40	100	102	114	114	114	139	139	146	146	163	177
	Bricklayers	12	326	136	190	200	200	204	212	212	212	212	218	222
	Carpenters	19	560	121	157	157	166	175	175	184	233	233	233	233
	Painters	13	147	133	171	175	175	175	175	175	179	183	214	233
	Blacksmiths	17	90	114	138	155	159	164	168	168	192	192	192	217
	Blacksmiths' helpers	11	79	107	160	160	160	174	174	174	175	177	200	210
	Machinists	24	486	120	142	146	154	154	160	167	177	180	180	200
	Engineers	13	103	92	132	166	166	166	166	166	166	166	166	178
	Molders	18	184	120	143	143	152	153	153	160	160	160	168	180
	Pattern makers	13	60	150	150	151	174	174	176	183	185	191	192	204
	Foremen	24	31	91	117	138	145	150	165	171	183	200	210	257
	Overseers, textile mills	32	38	79	100	117	120	133	150	163	175	194	200	222
1872 Jan.	Laborers	39	1342	86	153	168	179	197	200	200	200	200	201	204
	Watchmen	13	41	110	140	143	150	165	165	174	174	174	174	180
	Teamsters	10	29	100	116	122	133	133	148	150	156	169	200	200
	Apprentices	11	52	100	107	107	107	107	119	140	141	148	168	208
	Bricklayers	12	134	126	183	183	188	195	200	212	212	212	238	238
	Carpenters	19	490	121	157	172	172	172	172	172	175	175	200	233
	Painters	12	85	137	143	166	169	169	169	169	169	169	175	233
	Blacksmiths	16	85	118	138	158	161	162	167	167	174	192	200	217
	Blacksmiths' helpers	10	60	114	150	160	160	173	175	175	175	180	200	210
	Machinists	23	500	119	142	150	155	155	159	167	176	180	180	200
	Engineers	13	79	97	121	133	167	167	167	167	167	167	167	178
	Molders	13	181	105	142	150	157	157	157	165	165	174	176	176
	Pattern makers	12	55	150	150	171	172	172	177	188	185	185	200	205
	Foremen	24	31	91	117	138	154	154	165	171	195	200	210	257
	Overseers, textile mills	32	38	86	111	117	120	133	150	151	182	200	200	222

TABLE 39—(CONTINUED).  
*Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.*

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1872 July	Laborers	40	2533	86	168	197	200	200	200	201	204	204	207	225
	Watchmen	13	42	110	146	150	150	162	162	174	174	174	175	182
	Teamsters	10	30	100	116	122	133	133	148	156	159	169	205	205
	Apprentices	10	46	111	111	123	123	123	128	128	165	170	205	205
	Bricklayers	12	202	127	177	200	200	200	200	209	212	212	223	223
	Carpenters	19	540	121	157	158	175	175	179	179	179	179	203	233
	Painters	13	156	137	161	175	175	175	184	184	184	196	196	258
	Blacksmiths	16	76	127	141	166	167	169	169	169	183	192	200	217
	Blacksmiths' helpers	11	63	118	150	160	171	173	173	173	186	200	222	222
	Machinists	24	525	117	151	156	156	157	162	162	176	180	180	222
	Engineers	13	85	97	125	164	167	167	167	167	167	167	167	200
	Molders	13	183	105	143	150	157	163	168	168	171	171	176	182
	Pattern makers	12	59	150	150	171	171	172	172	183	185	187	190	229
	Foremen	23	30	91	127	138	145	145	163	171	190	200	210	257
	Overseers, textile mills	32	38	100	113	117	120	133	150	151	182	200	217	286
1873 Jan.	Laborers	41	1922	86	150	165	182	184	189	200	200	200	204	225
	Watchmen	13	41	137	146	150	150	162	162	174	174	174	175	182
	Teamsters	10	26	100	111	113	113	133	133	148	156	163	178	180
	Apprentices	9	40	94	94	94	99	136	136	136	136	141	154	227
	Bricklayers	11	87	137	167	188	196	200	208	212	218	218	222	223
	Carpenters	18	277	121	153	159	159	171	175	175	175	203	233	233
	Painters	12	72	133	143	161	170	170	175	186	190	197	197	258
	Blacksmiths	16	73	137	143	163	163	167	170	174	183	192	200	217
	Blacksmiths' helpers	11	58	118	160	160	171	173	173	173	180	184	214	222
	Machinists	25	566	119	148	152	157	157	161	170	177	180	180	192
	Engineers	13	78	97	124	163	163	163	163	163	163	164	164	200
	Molders	13	173	112	143	155	155	159	160	165	165	175	175	176
	Pattern makers	12	60	150	150	164	171	174	175	175	176	187	187	200
	Foremen	24	35	104	106	142	148	148	157	171	186	200	206	257
	Overseers, textile mills	32	40	100	113	117	120	133	150	151	177	200	207	229

TABLE 39—(CONTINUED).  
*Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.*

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1873 July	Laborers	41	2399	86	152	177	187	200	200	200	200	204	213	225
	Watchmen	13	42	130	143	146	159	159	159	174	174	174	177	182
	Teamsters	10	27	100	111	116	116	133	133	148	156	163	219	219
	Apprentices	10	53	74	101	101	127	127	127	128	147	177	177	182
	Bricklayers	12	205	115	182	188	188	208	212	212	212	212	225	225
	Carpenters	20	349	121	152	157	161	174	174	175	175	181	193	233
	Painters	13	104	140	143	154	175	175	175	175	175	183	208	258
	Blacksmiths	15	69	127	143	164	164	172	172	182	182	192	200	217
	Blacksmiths' helpers	11	63	121	160	160	171	173	173	173	184	184	214	232
	Machinists	24	500	121	121	121	133	136	136	136	136	139	149	222
	Engineers	13	78	97	124	163	163	163	163	163	163	164	164	200
	Molders	13	178	112	143	157	159	159	167	169	169	171	175	182
	Pattern makers	11	56	163	163	164	175	177	177	179	186	199	200	200
	Foremen	24	37	104	106	139	142	151	151	171	188	200	206	257
	Overseers, textile mills	32	38	89	117	120	133	150	151	160	200	200	211	259
1874 Jan.	Laborers	40	1690	86	149	168	181	186	189	200	200	200	204	207
	Watchmen	13	43	132	137	143	150	151	151	174	174	174	177	182
	Teamsters	10	26	100	100	116	116	122	122	148	156	156	180	267
	Apprentices	10	53	74	102	123	127	133	133	133	133	194	228	228
	Bricklayers	11	140	110	173	175	187	187	200	212	212	212	212	222
	Carpenters	21	308	121	150	150	157	168	169	169	169	172	204	233
	Painters	12	70	140	142	143	160	175	176	176	176	176	204	258
	Blacksmiths	15	64	114	147	147	170	170	172	182	192	192	200	217
	Blacksmiths' helpers	11	51	111	160	160	170	171	174	174	174	180	222	229
	Machinists	24	481	122	143	143	153	157	160	164	177	180	180	222
	Engineers	13	82	95	126	163	163	163	163	163	163	163	164	200
	Molders	11	133	120	148	147	147	151	151	155	164	168	170	182
	Pattern makers	11	44	139	150	150	170	172	172	174	174	187	194	207
	Foremen	24	35	104	110	142	150	154	163	171	200	200	206	257
	Overseers, textile mills	32	38	100	117	120	131	134	150	154	175	190	200	200



TABLE 39—(CONTINUED).  
*Relative rates of wages of men in fifteen occupations: January and July, 1880-1880.*

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1874 July	Laborers	41	1671	86	150	173	173	176	184	189	200	200	200	206
	Watchmen	13	43	132	137	143	146	156	156	174	174	174	177	182
	Teamsters	10	26	100	111	116	116	116	125	148	156	156	180	267
	Apprentices	9	49	74	101	108	129	139	143	143	143	191	220	220
	Bricklayers	12	196	115	116	171	175	175	175	193	212	212	214	223
	Carpenters	21	358	121	150	157	165	165	169	178	188	188	191	233
	Painters	13	127	140	143	156	156	175	175	175	175	175	193	258
	Blacksmiths	15	59	114	147	149	166	168	168	182	182	192	200	217
	Blacksmiths' helpers	11	55	107	160	170	171	171	174	174	174	180	222	229
	Machinists	23	442	128	144	151	155	158	163	166	180	180	180	222
	Engineers	13	86	97	126	163	163	163	163	163	163	164	164	200
	Molders	11	136	120	142	142	144	155	158	158	168	168	182	182
	Patternmakers	11	44	139	150	150	167	170	170	177	177	181	182	243
1875 Jan.	Foremen	24	35	100	110	142	150	154	157	171	183	200	206	257
	Overseers, textile mills	32	38	89	120	130	133	134	150	154	175	200	207	291
	Laborers	40	1258	91	135	150	160	160	166	200	200	200	200	206
	Watchmen	13	46	118	137	138	146	153	153	174	174	174	175	182
	Teamsters	10	28	100	111	116	116	117	133	137	144	144	163	250
	Apprentices	10	34	74	107	107	117	130	139	143	173	173	200	236
	Bricklayers	12	86	105	150	156	156	157	157	163	200	200	212	212
	Carpenters	20	271	121	143	150	157	160	175	175	175	175	191	233
	Painters	12	75	140	143	145	145	145	156	164	175	179	179	258
	Blacksmiths	15	61	105	130	138	149	168	168	172	182	192	200	217
	Blacksmiths' helpers	10	50	100	100	157	160	160	162	162	180	200	200	222
	Machinists	23	403	125	137	141	144	144	146	147	152	155	166	222
	Engineers	13	92	100	125	162	162	162	162	162	162	164	164	200
	Molders	11	126	105	132	142	143	155	155	157	157	169	169	182
	Pattern makers	11	43	120	120	155	159	161	161	175	177	177	187	243
	Foremen	24	32	104	117	142	142	156	156	175	182	200	200	257
	Overseers, textile mills	32	38	100	121	133	133	150	151	158	164	188	200	217

TABLE 39—(CONTINUED).  
*Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.*

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1875 July	Laborers	41	1395	91	130	144	150	152	161	161	166	200	200	204
	Watchmen	13	47	118	136	136	144	144	146	174	174	174	175	182
	Teamsters	10	28	100	111	116	116	116	133	137	144	144	218	218
	Apprentices	11	36	88	97	120	120	127	127	149	173	200	215	215
	Bricklayers	11	136	117	160	160	160	163	163	163	184	187	193	212
	Carpenters	20	347	121	135	141	142	155	157	160	160	189	233	233
	Painters	13	125	128	143	159	159	175	175	175	175	178	215	258
	Blacksmiths	16	68	105	120	138	153	155	156	156	173	182	200	217
	Blacksmiths' helpers	10	50	100	100	160	163	163	163	164	164	180	200	222
	Machinists	24	420	118	128	140	144	144	144	144	152	155	164	222
	Engineers	13	88	100	125	163	163	163	163	163	163	164	164	200
	Molders	10	131	105	132	143	143	150	150	150	155	161	161	182
	Pattern makers	11	55	125	146	146	146	155	159	171	177	177	178	200
	Foremen	24	31	91	108	140	150	157	171	179	182	200	200	257
1876 Jan.	Overseers, textile mills	32	39	89	121	131	133	139	144	158	164	200	207	229
	Laborers	40	1000	82	130	141	148	152	166	167	200	200	200	204
	Watchmen	13	47	118	136	136	146	148	148	159	167	167	167	177
	Teamsters	9	29	100	111	116	116	133	137	144	144	163	201	201
	Apprentices	8	30	99	106	106	122	124	124	143	161	163	227	227
	Bricklayers	11	104	105	140	141	144	150	150	203	203	212	212	212
	Carpenters	19	265	119	131	133	143	149	150	157	178	178	233	233
	Painters	10	40	114	114	140	142	142	167	175	175	183	250	250
	Blacksmiths	15	59	95	106	134	154	154	154	167	182	192	200	217
	Blacksmiths' helpers	10	45	93	93	140	150	163	163	163	180	180	222	222
	Machinists	22	426	68	127	128	144	144	144	144	148	153	159	222
	Engineers	11	86	100	125	163	163	163	163	163	163	163	164	200
	Molders	10	117	105	128	130	149	149	149	149	154	158	172	172
	Pattern makers	11	53	125	136	141	149	149	153	166	166	175	176	200
	Foremen	24	34	91	105	137	150	157	167	167	171	195	200	257
	Overseers, textile mills	32	39	89	121	125	135	143	159	164	180	194	207	229

TABLE 39—(CONTINUED).  
*Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.*

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1876 July	Laborers	40	1453	82	120	120	126	139	139	142	151	200	200	204
	Watchmen	13	45	118	137	137	142	142	146	150	163	163	163	177
	Teamsters	10	28	100	111	114	114	114	133	144	144	163	197	197
	Apprentices	11	55	63	78	78	117	117	124	143	147	164	187	199
	Bricklayers	12	192	102	139	141	150	150	150	163	175	179	179	194
	Carpenters	20	316	119	133	137	140	140	152	157	176	176	176	194
	Painters	12	126	114	115	125	125	172	175	175	175	225	225	233
	Blacksmiths	15	63	95	106	124	138	138	141	146	165	182	189	214
	Blacksmiths' helpers	10	49	93	93	141	141	141	150	150	160	180	222	222
	Machinists	24	401	110	125	128	135	143	144	144	150	150	157	222
	Engineers	12	85	100	125	164	164	165	165	165	165	165	165	236
	Molders	10	104	105	119	130	137	137	137	137	153	156	156	162
	Pattern makers	11	51	100	134	134	134	139	141	158	158	165	168	200
	Foremen	23	33	91	108	137	139	160	162	165	171	195	200	231
	Overseers, textile mills	32	39	89	121	128	135	150	159	164	176	194	200	229
1877 Jan.	Laborers	40	1270	86	100	124	124	142	150	152	160	160	160	211
	Watchmen	13	46	91	129	136	142	142	146	150	151	151	159	177
	Teamsters	11	29	100	111	113	113	113	117	133	137	144	160	163
	Apprentices	10	43	73	81	117	117	119	119	127	127	171	187	244
	Bricklayers	12	69	103	125	138	138	144	144	144	163	163	163	180
	Carpenters	20	283	109	119	125	125	125	138	138	143	143	184	200
	Painters	11	60	114	131	131	131	131	140	150	175	175	197	233
	Blacksmiths	15	61	105	108	138	138	138	141	153	165	183	200	200
	Blacksmiths' helpers	11	48	93	93	130	141	141	144	150	150	175	180	222
	Machinists	23	400	109	115	115	123	123	133	137	141	145	155	222
	Engineers	11	96	103	125	160	160	160	160	160	160	164	164	236
	Molders	10	97	97	115	124	135	136	136	140	147	159	159	162
	Pattern makers	11	50	100	100	134	134	141	156	156	156	163	167	200
	Foremen	24	33	94	104	136	136	150	165	165	171	186	200	231
	Overseers, textile mills	29	35	89	120	125	133	136	150	157	164	169	180	226

TABLE 39—(CONTINUED).  
*Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.*

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1877 July	Laborers	40	1188	86	100	118	118	120	132	132	134	146	160	211
	Watchmen	13	46	91	136	136	144	144	146	150	151	151	159	177
	Teamsters	10	30	100	111	113	113	113	117	133	137	144	156	163
	Apprentices	10	44	68	68	78	102	109	109	125	125	143	187	267
	Bricklayers	12	176	103	138	138	138	139	139	139	146	153	153	178
	Carpenters	20	342	109	123	125	125	125	125	131	139	153	157	200
	Painters	12	199	114	125	125	125	125	125	125	135	140	157	238
	Blacksmiths	15	61	91	110	133	138	138	141	143	161	165	188	200
	Blacksmiths' helpers	11	46	79	79	130	141	141	141	150	150	171	180	222
	Machinists	23	403	106	115	115	121	128	132	132	137	146	154	222
	Engineers	11	91	100	125	149	149	149	149	149	149	149	164	286
	Molders	12	108	97	115	123	124	129	135	138	147	147	159	192
1878 Jan.	Pattern makers	11	48	100	100	130	134	134	134	153	153	171	186	200
	Foremen	24	33	84	117	137	137	150	163	165	167	186	200	214
	Overseers, textile mills	32	38	89	117	125	133	150	150	157	164	171	180	226
	Laborers	40	897	82	100	120	125	127	127	137	142	160	160	211
	Watchmen	13	46	111	122	122	142	142	146	148	156	156	156	177
	Teamsters	10	31	100	113	113	113	113	119	133	137	141	158	183
	Apprentices	10	44	66	88	88	106	106	108	108	137	176	176	267
	Bricklayers	11	73	105	125	125	126	126	126	136	150	156	156	178
	Carpenters	20	195	91	117	119	123	125	125	126	142	155	157	200
	Painters	11	86	92	116	125	125	125	127	127	140	165	193	238
	Blacksmiths	15	60	91	101	133	138	138	141	149	161	183	200	200
	Blacksmiths' helpers	11	48	79	79	130	140	140	144	150	151	180	180	222
1878 Jan.	Machinists	23	427	106	115	115	122	126	130	135	137	144	150	222
	Engineers	11	101	100	111	148	149	149	149	149	149	149	149	236
	Molders	12	117	97	116	124	126	129	136	138	148	149	159	162
	Pattern makers	11	49	113	124	124	124	130	130	145	160	160	167	172
	Foremen	23	31	84	127	127	133	150	160	165	165	180	200	214
	Overseers, textile mills	32	38	89	119	128	133	141	150	164	171	182	184	200

TABLE 39—(CONTINUED).  
*Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.*

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1878 July	Laborers	39	1207	82	100	113	128	123	125	131	131	139	160	222
	Watchmen	13	44	111	122	122	142	142	146	148	156	156	156	177
	Teamsters	11	30	100	106	113	113	113	117	133	133	137	163	167
	Apprentices	9	45	58	99	99	108	108	125	125	140	140	167	200
	Bricklayers	11	156	113	113	113	113	127	131	131	142	158	158	178
	Carpenters	20	278	91	121	123	125	125	125	133	142	151	157	183
	Painters	13	157	92	125	125	125	125	125	134	140	140	189	221
	Blacksmiths	15	62	91	99	125	125	134	138	138	148	151	200	200
	Blacksmiths' helpers	11	49	79	109	135	135	135	140	140	150	180	180	200
	Machinists	22	387	104	115	115	119	126	134	134	137	141	150	222
	Engineers	11	91	100	111	148	149	149	149	149	149	149	149	236
	Molders	12	110	105	116	122	122	126	134	136	144	147	158	162
	Pattern makers	11	44	113	122	122	122	126	130	145	160	160	167	172
	Foremen	23	33	84	125	125	133	148	148	150	160	180	200	214
1879 Jan.	Overseers, textile mills	32	38	89	119	128	133	141	150	167	180	184	188	218
	Laborers	41	1005	82	98	110	120	122	124	124	125	139	160	194
	Watchmen	13	38	107	111	122	125	142	144	144	146	146	159	177
	Teamsters	11	30	100	106	111	114	114	114	125	133	138	158	160
	Apprentices	8	38	87	87	101	101	105	119	119	128	160	163	163
	Bricklayers	11	88	97	97	113	113	134	134	134	143	150	156	178
	Carpenters	20	179	91	116	124	125	125	129	136	144	145	157	183
	Painters	11	79	92	114	125	125	125	125	129	140	189	212	212
	Blacksmiths	16	64	91	101	120	125	131	131	133	148	151	200	200
	Blacksmiths' helpers	11	50	79	109	132	132	132	137	137	150	180	180	200
	Machinists	23	414	98	115	115	118	126	128	128	133	138	151	222
	Engineers	12	119	98	129	148	149	149	149	149	149	149	149	215
	Molders	13	107	97	116	124	125	125	134	134	140	148	154	162
	Pattern makers	11	43	115	115	122	122	122	123	130	140	157	157	167
	Foremen	23	31	79	122	124	128	139	150	160	171	180	188	214
	Overseers, textile mills	32	38	113	128	133	133	160	164	175	184	186	200	225

TABLE 39—(CONTINUED).  
*Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.*

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1879 July	Laborers	41	1343	82	99	100	120	120	122	125	125	127	150	194
	Watchmen	13	39	107	111	122	125	137	140	142	142	142	159	177
	Teamsters	11	30	100	111	112	112	112	112	133	133	138	167	167
	Apprentices	10	54	86	86	86	99	105	121	121	140	145	145	163
	Bricklayers	12	199	97	113	113	113	125	128	134	136	136	152	178
	Carpenters	18	295	91	118	125	125	125	127	127	144	144	157	183
	Painters	12	141	90	117	132	143	150	150	150	150	150	221	221
	Blacksmiths	16	66	91	101	125	125	131	131	133	134	137	200	200
	Blacksmiths' helpers	11	54	79	130	132	132	135	135	135	144	178	180	180
	Machinists	24	420	98	115	115	115	125	128	130	131	135	146	189
	Engineers	13	107	98	117	148	149	149	149	149	149	149	149	215
1880 Jan.	Molders	13	121	97	117	122	125	129	133	133	134	135	154	154
	Pattern makers	11	51	119	119	123	130	130	130	130	133	138	157	167
	Foremen	22	26	79	122	128	128	139	150	158	171	180	200	238
	Overseers, textile mills	32	38	113	128	133	133	160	166	167	175	186	200	225
	Laborers	41	1127	92	105	117	121	122	123	124	124	130	156	194
	Watchmen	13	35	107	111	122	122	137	137	142	142	142	159	177
	Teamsters	11	33	100	111	115	115	115	115	133	137	142	167	167
	Apprentices	11	64	87	87	87	104	105	113	113	145	155	155	189
	Bricklayers	12	80	100	100	100	125	128	138	138	150	161	161	167
	Carpenters	19	248	91	118	124	125	128	133	136	136	149	149	183
	Painters	12	70	97	100	127	127	127	129	143	150	150	200	200
1880 Jan.	Blacksmiths	16	66	91	91	130	132	132	133	137	137	154	200	200
	Blacksmiths' helpers	11	61	79	120	133	133	133	133	150	150	178	210	210
	Machinists	24	463	106	124	127	128	130	130	133	133	140	146	189
	Engineers	13	114	98	129	148	163	163	163	163	163	163	163	215
	Molders	18	143	97	117	126	129	130	133	134	140	140	146	146
	Pattern makers	11	59	118	118	129	129	129	130	132	135	136	154	167
	Foremen	20	24	79	120	130	130	139	150	160	165	180	188	213
	Overseers, textile mills	32	38	113	128	133	150	163	166	167	182	200	207	229

TABLE 39—(CONCLUDED).  
*Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.*

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1880 July	Laborers	41	1472	92	115	120	123	125	127	132	134	134	159	194
	Watchmen	13	35	107	111	122	125	137	142	146	146	146	159	177
	Teamsters	11	33	100	111	111	114	114	125	133	137	142	146	167
	Apprentices	11	60	93	93	93	101	105	113	133	141	151	151	160
	Bricklayers	12	164	100	100	100	100	108	129	139	150	158	159	159
	Carpenters	19	428	91	124	126	131	142	145	150	150	152	157	183
	Painters	13	164	105	129	141	150	150	150	150	150	159	200	208
	Blacksmiths	16	72	91	101	132	132	132	137	149	153	157	200	200
	Blacksmiths' helpers	10	67	93	120	134	134	134	156	160	160	167	210	210
	Machinists	24	663	106	127	132	135	136	136	142	150	151	162	189
	Engineers	13	80	98	111	145	148	164	164	164	164	164	164	215
	Molders	13	151	97	123	123	129	135	135	140	142	142	147	162
	Pattern makers	11	62	119	119	132	140	141	141	141	144	147	156	167
	Foremen	22	27	79	100	124	139	150	160	167	171	194	195	225
	Overseers, textile mills	32	38	125	128	133	136	163	171	176	181	200	213	229

years following, again a sharper rise during the speculative period preceding 1873, and a quicker and more violent fall after the crisis. Indeed, from July, 1877, to July, 1880, the unskilled workers have the lowest relative wages of any grade, though in the early '70's they had had the highest<sup>3</sup> wages.

*f.—Relative Wages of Groups Based Upon Initial Wages.*

The classification of wage-earners according to the actual wages received at some period is less common in making tables of relative wages than the classification according to industries or occupations. But it has quite as much significance as either of these other classifications; for persons earning low wages form an economic group differing in important respects from persons receiving high wages—as is shown, for example, by all large collections of family budgets. Accordingly I have arranged the

<sup>3</sup> The deciles for unskilled workers are perhaps unduly influenced by one series for laborers which represents the pay of a large and widely fluctuating body of city employees (establishment 35). If this one series be excluded, helpers of craftsmen are found having higher wages than unskilled laborers over two-thirds of the time. The validity of the above remark about the greater mobility of the wages of unskilled laborers, however, is as true of the revised as of the original series. The effect on the medians of excluding the series for unskilled laborers is shown by the following figures:

Unskilled Workers				Unskilled Workers					
		As in	Lab'rs, 35	Helpers of			As in	Lab'rs, 35	Helpers of
		Table 40	excluded	Craftsmen			Table 40	excluded	Craftsmen
1860	Jan.	100	100	100	1871	Jan.	198	198	196
	July	100	100	100		July	200	195	196
1861	Jan.	100	100	100	1872	Jan.	200	175	196
	July	90	98	100		July	200	201	196
1862	Jan.	100	99	100	1873	Jan.	184	182	184
	July	100	97	110		July	200	187	178
1863	Jan.	125	111	116	1874	Jan.	189	181	176
	July	125	114	124		July	184	173	180
1864	Jan.	150	140	127	1875	Jan.	166	160	190
	July	160	135	143		July	161	150	175
1865	Jan.	182	152	153	1876	Jan.	166	148	174
	July	159	155	153		July	139	139	162
1866	Jan.	177	174	173	1877	Jan.	150	134	164
	July	158	158	167		July	132	125	161
1867	Jan.	182	182	177	1878	Jan.	127	127	144
	July	162	159	180		July	126	123	157
1868	Jan.	175	175	184	1879	Jan.	124	122	163
	July	165	165	184		July	125	122	159
1869	Jan.	200	191	184	1880	Jan.	123	122	160
	July	200	205	184		July	127	127	160
1870	Jan.	208	208	184					
	July	204	203	184					



TABLE 40.

*Relative rates of wages of men belonging to four industrial grades: January and July, 1860-1880.*  
*Data obtained from the exhibits of the Aldrich Report.*

NOTE.—For method of construction, see notes upon Table 33.

Date	Grades	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1860 Jan.	All grades			100	100	100	100	100	100	100	100	100	100	100
1860 July	Unskilled workers	62	2904	97	99	100	100	100	100	100	100	100	100	110
	Helpers of craftsmen	41	410	79	100	100	100	100	100	100	100	102	114	137
	Skilled craftsmen	158	1778	85	98	98	100	100	100	100	100	100	102	125
	Foremen and overseers	53	68	75	100	100	100	100	100	100	100	100	101	110
1861 Jan.	Unskilled workers	60	2338	81	99	100	100	100	100	100	100	100	103	149
	Helpers of craftsmen	40	423	79	97	100	100	100	100	100	100	100	114	138
	Skilled craftsmen	152	1517	82	99	100	100	100	100	100	101	102	108	140
	Foremen and overseers	53	66	75	85	100	100	100	100	100	100	104	109	125
1861 July	Unskilled workers	59	2028	72	90	90	90	90	90	96	98	98	100	129
	Helpers of craftsmen	41	527	84	95	100	100	100	100	100	100	104	119	132
	Skilled craftsmen	153	1549	72	90	97	99	100	100	100	102	105	113	136
	Foremen and overseers	55	70	75	85	100	100	100	100	100	105	106	111	125
1862 Jan.	Unskilled workers	58	1502	80	99	99	100	100	100	100	100	100	100	142
	Helpers of craftsmen	43	512	89	97	100	100	100	100	100	101	109	114	180
	Skilled craftsmen	154	1320	74	96	97	100	100	100	103	107	108	117	200
	Foremen and overseers	54	70	83	85	100	100	100	100	100	106	106	113	137
1862 July	Unskilled workers	60	1799	80	91	97	100	100	100	100	100	100	103	142
	Helpers of craftsmen	45	493	90	98	100	100	104	110	111	113	113	114	180
	Skilled craftsmen	155	1381	75	95	99	100	101	102	104	109	113	119	200
	Foremen and overseers	54	72	75	83	85	100	100	100	102	102	107	113	137

TABLE 40—(CONTINUED).  
*Relative rates of wages of men belonging to four industrial grades: January and July, 1860-1880.*

Date	Grades	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1863 Jan.	Unskilled workers	61	1354	73	102	111	125	125	125	125	125	125	133	142
	Helpers of craftsmen	44	436	80	100	108	110	113	116	116	117	131	131	138
	Skilled craftsmen	154	1191	82	96	100	101	103	105	114	121	133	133	240
	Foremen and overseers	54	71	78	97	100	100	100	100	103	109	114	120	218
1863 July	Unskilled workers	61	1708	73	111	114	114	125	125	125	125	125	125	167
	Helpers of craftsmen	45	535	42	100	110	114	117	124	126	141	141	168	202
	Skilled craftsmen	157	1457	87	100	103	105	108	112	113	117	126	133	240
	Foremen and overseers	52	72	78	100	100	100	101	101	106	112	117	125	218
1864 Jan.	Unskilled workers	62	1672	74	119	136	140	145	150	150	150	150	150	173
	Helpers of craftsmen	45	623	75	99	110	117	121	127	134	149	149	204	204
	Skilled craftsmen	157	1433	89	106	111	114	120	120	125	130	136	145	280
	Foremen and overseers	51	63	78	100	100	110	114	117	120	125	133	150	218
1864 July	Unskilled workers	64	1578	73	130	135	135	142	160	180	180	180	180	233
	Helpers of craftsmen	45	668	77	109	120	125	141	143	165	168	169	169	200
	Skilled craftsmen	162	1793	92	110	122	125	131	137	145	150	157	162	280
	Foremen and overseers	55	72	68	100	111	117	117	120	129	135	150	167	218
1865 Jan.	Unskilled workers	64	1304	81	131	150	152	159	182	186	190	190	190	233
	Helpers of craftsmen	46	593	63	112	132	144	145	153	169	169	172	187	210
	Skilled craftsmen	161	1556	96	125	133	136	145	150	157	163	171	175	320
	Foremen and overseers	54	77	88	102	117	121	127	127	135	143	150	171	262
1865 July	Unskilled workers	62	1324	81	144	144	153	155	159	182	190	190	190	233
	Helpers of craftsmen	46	594	73	124	134	147	150	153	169	178	187	187	215
	Skilled craftsmen	164	1637	96	130	137	140	147	150	159	164	168	175	320
	Foremen and overseers	55	78	67	110	113	120	128	128	129	143	157	175	262

TABLE 40—(CONTINUED).  
*Relative rates of wages of men belonging to four industrial grades: January and July, 1860-1880.*

Date	Grades	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1866 Jan.	Unskilled workers	64	1316	100	151	180	174	177	177	182	190	190	190	238
	Helpers of craftsmen	44	573	84	123	140	147	153	173	179	184	184	187	211
	Skilled craftsmen	161	1702	96	132	141	143	149	153	165	169	173	180	280
	Foremen and overseers	55	74	98	111	120	127	129	133	150	157	165	175	262
1866 July	Unskilled workers	63	1478	100	152	156	158	158	158	173	190	190	190	233
	Helpers of craftsmen	45	605	73	136	146	150	153	167	179	184	184	187	211
	Skilled craftsmen	162	1925	100	135	146	150	155	164	170	175	178	185	280
	Foremen and overseers	56	70	98	111	120	129	136	147	150	157	167	190	262
1867 Jan.	Unskilled workers	61	1591	100	152	165	177	179	182	182	182	182	200	200
	Helpers of craftsmen	46	631	63	135	146	153	154	177	184	184	187	187	211
	Skilled craftsmen	159	1760	100	143	148	150	156	166	172	175	178	180	280
	Foremen and overseers	56	72	98	117	123	133	142	145	150	163	170	195	262
1867 July	Unskilled workers	61	1222	100	150	157	157	159	162	162	174	200	200	200
	Helpers of craftsmen	45	625	84	134	141	158	160	180	184	184	200	201	220
	Skilled craftsmen	161	1947	100	144	149	153	163	166	175	180	184	200	280
	Foremen and overseers	56	75	98	117	123	133	142	150	155	160	167	195	262
1868 Jan.	Unskilled workers	60	1092	100	150	155	168	175	175	184	184	184	200	200
	Helpers of craftsmen	44	527	73	132	153	170	179	184	184	184	200	201	201
	Skilled craftsmen	159	1743	100	143	148	151	161	165	167	174	180	188	280
	Foremen and overseers	53	72	100	120	131	138	150	153	153	160	171	195	257
1868 July	Unskilled workers	62	1230	100	150	156	165	165	165	184	185	185	200	205
	Helpers of craftsmen	44	557	84	137	153	172	179	184	184	184	201	201	238
	Skilled craftsmen	162	1992	100	143	148	156	167	173	175	180	190	213	280
	Foremen and overseers	54	72	100	120	131	138	150	154	157	163	171	195	257

TABLE 40—(CONTINUED).  
*Relative rates of wages of men belonging to four industrial grades: January and July, 1860-1880.*

Date	Grades	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1869 Jan.	Unskilled workers	62	2109	100	145	162	188	191	200	200	204	204	205	205
	Helpers of craftsmen	45	615	63	139	153	160	172	184	184	200	220	224	225
	Skilled craftsmen	161	1732	95	143	149	157	164	170	174	179	181	205	280
	Foremen and overseers	53	69	100	117	133	133	150	151	157	164	180	200	257
1869 July	Unskilled workers	62	2373	100	144	172	180	200	200	205	205	205	212	212
	Helpers of craftsmen	44	687	63	145	160	175	179	184	184	184	200	224	247
	Skilled craftsmen	164	2120	95	143	153	160	164	171	175	180	200	225	307
	Foremen and overseers	54	69	100	117	123	133	146	150	157	171	188	200	257
1870 Jan.	Unskilled workers	63	2329	89	154	175	191	208	208	208	220	220	227	227
	Helpers of craftsmen	44	713	84	151	165	175	184	184	184	184	200	224	224
	Skilled craftsmen	162	2018	92	144	153	157	165	170	174	180	188	213	280
	Foremen and overseers	55	68	91	117	120	133	144	150	163	171	195	200	257
1870 July	Unskilled workers	63	2189	78	140	163	187	203	204	209	209	220	220	220
	Helpers of craftsmen	44	775	84	152	172	175	184	184	184	184	206	224	245
	Skilled craftsmen	166	2318	92	142	153	160	165	172	175	180	192	212	280
	Foremen and overseers	56	67	75	117	120	133	144	150	163	171	195	207	257
1871 Jan.	Unskilled workers	62	1993	86	157	178	180	198	198	204	220	220	220	220
	Helpers of craftsmen	45	704	97	150	166	175	180	196	196	196	196	224	224
	Skilled craftsmen	164	2192	92	144	156	163	168	175	180	187	192	217	280
	Foremen and overseers	56	68	81	111	117	133	144	163	169	175	195	200	257
1871 July	Unskilled workers	63	2345	86	164	175	195	200	200	200	200	204	207	207
	Helpers of craftsmen	40	697	100	150	174	180	181	196	196	196	200	224	250
	Skilled craftsmen	164	2850	92	146	155	163	174	179	184	200	212	212	280
	Foremen and overseers	56	69	79	111	117	133	145	163	167	182	200	200	257

TABLE 40—(CONTINUED).  
*Relative rates of wages of men belonging to four industrial grades: January and July, 1860-1880.*

Date	Grades	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1872 Jan.	Unskilled workers	62	1412	86	147	164	176	197	200	200	200	200	201	204
	Helpers of craftsmen	38	761	73	150	171	175	196	196	196	196	204	224	224
	Skilled craftsmen	160	2266	97	143	155	159	187	172	174	180	189	205	280
	Foremen and overseers	56	69	86	114	117	138	150	154	167	190	200	207	257
1872 July	Unskilled workers	63	2605	86	165	189	200	200	200	201	201	204	207	225
	Helpers of craftsmen	40	727	115	155	167	180	190	196	196	196	200	248	298
	Skilled craftsmen	162	2528	97	149	157	163	170	175	179	183	198	209	280
	Foremen and overseers	55	68	91	117	120	138	145	151	165	188	200	214	286
1873 Jan.	Unskilled workers	64	1989	86	146	165	182	184	184	200	200	200	204	225
	Helpers of craftsmen	40	504	91	155	160	172	175	184	204	204	225	298	298
	Skilled craftsmen	160	2074	97	143	155	159	183	171	176	180	198	203	258
	Foremen and overseers	56	75	100	113	120	138	148	150	163	186	200	207	257
1873 July	Unskilled workers	64	2368	86	150	176	187	189	200	200	200	204	213	225
	Helpers of craftsmen	43	577	94	154	161	173	175	178	200	204	223	248	261
	Skilled craftsmen	161	2180	97	145	157	161	167	175	179	192	200	212	258
	Foremen and overseers	56	75	89	110	120	139	150	151	164	200	200	207	257
1874 Jan.	Unskilled workers	63	1759	85	149	168	181	186	189	200	200	200	204	267
	Helpers of craftsmen	42	726	89	155	155	164	166	176	203	204	222	261	261
	Skilled craftsmen	158	1982	95	143	147	157	161	169	175	180	183	212	258
	Foremen and overseers	56	73	100	117	125	138	150	154	165	181	200	200	257
1874 July	Unskilled workers	64	1740	86	150	170	173	173	184	189	200	200	200	267
	Helpers of craftsmen	42	547	77	160	164	172	175	180	199	199	201	250	261
	Skilled craftsmen	159	2088	97	140	155	159	164	169	175	180	189	193	258
	Foremen and overseers	56	73	89	120	131	138	150	154	165	181	200	206	291

TABLE 40—(CONTINUED.)  
*Relative rates of wages of men belonging to four industrial grades: January and July, 1860-1880.*

Date	Grades	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1875 Jan.	Unskilled workers	63	1332	91	132	150	160	160	166	200	200	200	200	250
	Helpers of craftsmen	39	547	95	158	162	173	175	190	199	199	243	243	243
	Skilled craftsmen	157	1711	100	137	144	147	155	166	166	172	175	187	258
	Foremen and overseers	56	70	100	117	133	139	150	156	159	175	188	200	257
1875 July	Unskilled workers	64	1470	91	130	144	147	150	161	161	166	200	200	218
	Helpers of craftsmen	40	473	95	143	160	163	172	175	179	195	195	223	243
	Skilled craftsmen	158	1931	100	137	144	147	155	160	163	173	177	187	258
	Foremen and overseers	56	70	89	117	133	139	144	156	164	179	200	206	257
1876 Jan.	Unskilled workers	62	1076	82	123	141	146	150	166	166	200	200	200	204
	Helpers of craftsmen	41	467	73	140	150	157	163	174	195	195	197	243	243
	Skilled craftsmen	149	1723	68	128	140	143	144	150	157	163	177	178	250
	Foremen and overseers	56	73	89	120	133	137	150	163	167	175	194	200	257
1876 July	Unskilled workers	63	1526	82	120	120	126	139	139	142	151	200	200	204
	Helpers of craftsmen	42	470	93	134	141	156	157	162	172	182	195	197	224
	Skilled craftsmen	155	2016	95	128	137	140	146	150	155	157	168	176	240
	Foremen and overseers	55	72	89	121	133	137	150	162	164	175	194	200	231
1877 Jan.	Unskilled workers	64	1345	86	100	124	124	142	150	152	160	160	160	211
	Helpers of craftsmen	43	471	93	130	133	144	157	164	178	195	218	224	229
	Skilled craftsmen	153	1769	97	117	125	133	138	144	146	146	155	164	236
	Foremen and overseers	53	68	89	117	128	136	150	153	164	167	176	200	231
1877 July	Unskilled workers	63	1264	86	100	117	118	121	132	132	142	150	160	211
	Helpers of craftsmen	43	464	63	120	138	144	157	161	162	176	176	178	234
	Skilled craftsmen	156	2125	91	120	125	129	137	140	146	147	149	159	236
	Foremen and overseers	56	71	84	117	138	137	150	157	164	167	175	195	226

TABLE 40—(CONCLUDED).  
*Relative rates of wages of men belonging to four industrial grades: January and July, 1860-1880.*

Date	Grades	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1878 Jan.	Unskilled workers	63	974	82	100	116	125	127	127	137	142	156	160	211
	Helpers of craftsmen	43	490	79	120	134	141	141	144	161	176	178	224	234
	Skilled craftsmen	154	1786	91	115	125	127	136	141	146	153	153	159	250
	Foremen and overseers	55	69	84	119	127	133	141	150	165	169	182	188	214
1878 July	Unskilled workers	63	1281	82	100	113	123	123	126	131	131	141	160	222
	Helpers of craftsmen	43	463	63	120	134	142	148	157	162	171	176	183	215
	Skilled craftsmen	155	2005	91	115	123	125	134	137	145	148	149	158	250
	Foremen and overseers	55	71	84	119	128	133	143	150	160	169	182	188	218
1879 Jan.	Unskilled workers	65	1073	82	98	110	120	122	124	124	125	142	160	194
	Helpers of craftsmen	43	495	79	119	134	142	148	163	175	176	176	205	212
	Skilled craftsmen	157	1784	91	115	124	127	131	138	144	144	149	155	250
	Foremen and overseers	55	69	79	124	128	133	143	160	169	180	185	200	225
1879 July	Unskilled workers	65	1412	82	99	100	120	120	125	125	125	127	150	194
	Helpers of craftsmen	44	559	77	114	134	142	148	159	175	175	178	178	202
	Skilled craftsmen	159	2089	90	115	122	127	130	135	141	142	148	152	250
	Foremen and overseers	54	64	79	128	130	133	143	160	166	171	185	200	238
1880 Jan.	Unskilled workers	65	1195	92	105	117	121	122	123	124	124	130	156	194
	Helpers of craftsmen	44	607	75	116	129	143	148	160	175	175	178	187	215
	Skilled craftsmen	160	1951	91	120	127	130	132	136	141	141	148	161	255
	Foremen and overseers	52	62	79	128	133	138	150	160	166	176	186	200	229
1880 July	Unskilled workers	65	1540	92	115	120	123	125	127	132	134	134	159	194
	Helpers of craftsmen	43	620	70	120	130	140	150	160	169	175	178	197	210
	Skilled craftsmen	161	2520	91	122	129	132	137	140	142	150	152	162	250
	Foremen and overseers	54	65	79	124	133	138	160	167	175	181	195	207	229

TABLE 41.

*Average distribution of men belonging to four industrial grades over the field covered by the fluctuations of relative rates of wages from 1860 to 1880.*

NOTE.—Based upon Table 40 in the same fashion as Table 34 is based upon Table 33.

Average number of points in the scale of relative wages between	Unskilled workers	Helpers of craftsmen	Skilled craftsmen	Foremen & overseers
Lowest relative wages and 1st deciles	40.6	47.6	33.8	24.7
1st and 2d deciles	11.9	11.0	7.3	7.8
2d and 3d deciles	7.8	7.8	3.8	7.7
3d and 4th deciles	4.8	5.2	5.4	8.3
4th deciles and Medians	3.8	7.3	4.5	5.6
Medians and 6th deciles	5.0	7.5	4.5	6.6
6th and 7th deciles	4.0	3.7	4.6	9.5
7th and 8th deciles	4.5	8.1	6.3	11.1
8th and 9th deciles	5.5	17.4	10.3	11.5
9th deciles and highest relative wages	26.1	20.5	78.6	50.4
Lowest and highest relative wages	114.0	136.1	159.1	143.2

series in five groups, on the basis of the daily rates of wages in January, 1860, and made both deciles and arithmetic means for each group.<sup>4</sup> The lowest of these groups—persons receiving from 25 to 99 cents a day in 1860—includes all but two of the series for females; it is therefore the only group in which it is necessary to segregate the sexes.

Table 42, which gives the deciles for the five wage-groups, shows that each of these groups, like each industry and occupation, has wide diversity of relative wages and consistency of general trend. All share in the great upward movement culminating in the early '70's, and in the great downward movement in the later '70's; all show an advance in 1880, and all end with relative wages well above the level of 1860. Comparisons between the variations of relative wages of the several groups can again be made more easily from the table of arithmetic means. According to this table, there was a definite relation between actual wages and increase in rates of wages during the civil war. The lower the actual wages of a group, the greater was the rela-

<sup>4</sup> Four series for males and three for females can not be used in this classification, because the form of statement does not show accurately the *per diem* rates.





TABLE 42—(CONTINUED).  
*Relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880.*

Date	Sex	Wage-group	No. of Series	No. of Persons	Low. est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1862 Jan.	M & F	.25-.99	133	1244	60	84	97	98	100	100	101	105	113	121	180
	F	.25-.99	44	543	60	80	96	100	101	101	102	113	119	121	152
	M	.25-.99	89	701	74	92	97	97	99	99	100	103	108	120	180
	M	1.00-1.49	165	2182	78	97	99	100	100	100	100	100	101	107	160
	M	1.50-1.99	113	821	75	96	99	100	100	101	105	108	111	120	200
	M	2.00-2.49	47	218	74	88	97	100	100	100	100	100	100	111	120
	M	2.50 +	27	49	83	87	100	100	100	100	100	100	106	106	150
1862 July	M & F	.25-.99	136	1240	60	91	91	98	101	103	104	109	114	122	180
	F	.25-.99	43	474	60	80	100	102	104	111	114	114	121	122	152
	M	.25-.99	93	766	74	91	91	97	100	101	103	104	109	119	180
	M	1.00-1.49	164	2344	78	95	97	100	100	100	100	100	107	113	160
	M	1.50-1.99	115	830	75	97	100	101	102	104	106	109	113	132	200
	M	2.00-2.49	49	302	75	88	99	100	100	100	100	100	100	113	125
	M	2.50 +	27	57	83	83	100	100	100	100	100	100	102	102	150
1863 Jan.	M & F	.25-.99	130	988	60	97	100	103	104	107	109	117	123	145	188
	F	.25-.99	43	422	60	99	102	104	105	107	107	116	121	123	160
	M	.25-.99	87	566	62	97	100	102	104	106	110	119	135	146	188
	M	1.00-1.49	168	1951	80	100	109	115	117	125	125	125	125	131	240
	M	1.50-1.99	113	748	73	99	101	103	105	108	112	115	122	158	200
	M	2.00-2.49	48	217	78	89	100	100	100	100	105	105	112	113	150
	M	2.50 +	27	58	82	82	97	97	100	100	100	100	100	100	150
1863 July	M & F	.25-.99	119	1173	60	100	105	106	108	114	114	117	121	132	202
	F	.25-.99	39	415	60	100	100	105	106	106	106	116	121	130	152
	M	.25-.99	80	758	61	100	105	114	114	114	114	118	122	146	202
	M	1.00-1.49	168	2249	42	105	111	114	122	125	125	125	125	141	240
	M	1.50-1.99	114	849	73	102	103	107	112	113	116	126	126	143	200
	M	2.00-2.49	48	321	78	98	100	100	105	110	110	113	113	117	150
	M	2.50 +	27	68	87	100	100	100	100	100	100	101	101	106	150

TABLE 42—(CONTINUED).  
*Relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880.*

Date	Sex	Wage-group	No. of Series	No. of Persons	Low. est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1864 Jan.	M & F	.25-.99	123	1227	87	99	101	106	114	121	128	134	136	146	205
	F	.25-.99	39	505	93	99	100	101	101	104	114	121	128	130	162
	M	.25-.99	84	722	87	99	110	119	124	134	136	136	139	162	205
	M	1.00-1.49	171	2388	75	110	117	125	140	149	150	150	150	165	280
	M	1.50-1.99	113	887	73	110	114	119	130	120	125	132	141	147	200
	M	2.00-2.49	48	264	78	100	106	107	112	113	125	125	125	132	175
1864 July	M	2.50 +	28	62	92	95	100	100	100	100	100	113	117	120	150
	M & F	.25-.99	134	1401	83	102	109	117	123	130	135	137	145	160	233
	F	.25-.99	44	625	90	101	109	109	109	119	125	128	137	141	164
	M	.25-.99	90	776	83	105	117	129	135	135	135	145	150	175	233
	M	1.00-1.49	177	2455	77	117	130	134	141	152	168	175	180	180	280
	M	1.50-1.99	117	1009	73	114	123	125	129	135	143	151	158	165	200
1865 Jan.	M	2.00-2.49	51	399	88	106	110	125	133	150	150	150	150	150	192
	M	2.50 +	28	59	68	100	100	100	100	108	117	117	120	150	183
	M & F	.25-.99	132	1369	63	110	118	129	134	140	143	155	159	173	233
	F	.25-.99	43	580	82	110	117	118	130	134	134	134	140	143	202
	M	.25-.99	89	689	63	117	129	143	148	159	159	159	171	180	233
	M	1.00-1.49	177	2176	63	126	139	149	152	160	170	186	190	190	320
1865 July	M	1.50-1.99	117	903	91	127	136	136	141	149	153	164	171	176	206
	M	2.00-2.49	50	284	88	119	125	125	136	150	150	150	155	163	225
	M	2.50 +	27	56	96	100	108	117	120	120	127	127	129	140	200
	M & F	.25-.99	130	1459	77	123	130	135	147	151	155	155	163	170	233
	F	.25-.99	43	707	100	121	129	131	132	147	151	151	156	168	202
	M	.25-.99	87	752	77	123	135	147	153	155	155	155	169	179	233
	M	1.00-1.49	174	2140	73	131	143	147	153	165	169	182	190	190	320
	M	1.50-1.99	119	914	91	133	137	137	144	149	153	165	170	180	229
	M	2.00-2.49	51	364	100	121	130	138	149	150	154	163	164	175	225
	M	2.50 +	28	61	67	96	108	117	130	120	128	138	129	140	200

TABLE 42—(CONTINUED).  
*Relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880.*

Date	Sex	Wage-group	No. of Series	No. of Persons	Low-est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1866 Jan.	M & F	.25-.99	137	1740	77	126	144	154	165	165	173	177	177	186	267
	F	.25-.99	45	830	90	124	144	151	158	165	165	165	175	189	222
	M	.25-.99	92	910	77	133	153	159	167	175	177	177	177	185	267
	M	1.00-1.49	173	2027	84	132	146	152	160	174	179	187	190	190	280
	M	1.50-1.99	116	991	100	137	141	143	147	153	163	171	173	180	229
	M	2.00-2.49	50	306	100	120	130	130	143	150	164	175	175	175	192
1866 July	M	2.50 +	29	60	96	101	109	120	120	120	127	129	133	145	250
	M & F	.25-.99	134	1792	80	134	150	158	158	165	175	178	185	189	242
	F	.25-.99	43	783	104	134	148	159	165	178	178	178	186	198	202
	M	.25-.99	91	1009	80	132	152	158	158	158	168	175	185	187	242
	M	1.00-1.49	169	2133	73	138	150	156	156	167	177	187	190	190	280
	M	1.50-1.99	118	1079	100	142	146	147	152	157	167	171	178	180	229
1867 Jan.	M	2.00-2.49	51	415	100	129	131	148	150	160	175	175	175	175	257
	M	2.50 +	29	54	98	100	109	120	120	120	129	133	147	150	250
	M & F	.25-.99	135	2210	78	140	153	165	177	182	182	182	187	191	333
	F	.25-.99	44	829	87	136	147	153	165	179	182	188	188	192	242
	M	.25-.99	91	1381	78	147	156	174	177	182	182	182	182	182	303
	M	1.00-1.49	170	1924	63	139	150	153	165	175	177	184	191	200	280
1867 July	M	1.50-1.99	115	1071	100	143	148	148	152	157	167	172	180	180	229
	M	2.00-2.49	47	256	114	130	146	146	146	166	175	175	175	185	257
	M	2.50 +	29	57	98	108	113	120	120	120	133	140	145	160	250
	M & F	.25-.99	136	1797	74	138	157	157	162	166	175	181	186	194	250
	F	.25-.99	45	795	80	130	150	162	175	179	182	186	189	194	250
	M	.25-.99	91	1002	74	141	157	157	157	162	166	174	176	194	225
	M	1.00-1.49	170	1964	84	140	150	155	162	162	176	184	200	200	280
	M	1.50-1.99	116	1067	100	143	149	152	156	164	170	178	180	188	233
	M	2.00-2.49	48	410	114	147	147	157	174	175	188	188	200	200	257
	M	2.50 +	29	69	98	113	120	120	120	120	131	142	155	157	250

TABLE 42—(CONTINUED).  
*Relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880.*

Date	Sex	Wage-group	No. of Series	No. of Persons	Low. est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1868 Jan.	M & F	.25-.99	137	1752	74	134	153	164	167	172	176	180	184	191	257
	F	.25-.99	45	755	80	130	156	160	167	173	176	177	191	192	250
	M	.25-.99	92	997	74	135	151	165	165	172	177	184	184	184	256
	M	1.00-1.49	165	1770	73	140	150	154	165	170	175	184	198	200	280
	M	1.50-1.99	115	942	100	143	148	150	158	164	168	177	180	183	250
	M	2.00-2.49	47	301	100	130	144	149	168	175	175	175	200	200	257
1868 July	M	2.50 +	27	67	100	117	120	120	120	120	130	142	153	153	250
	M & F	.25-.99	135	1838	80	136	154	159	165	170	172	175	179	193	256
	F	.25-.99	45	811	80	135	157	161	170	172	172	179	190	193	250
	M	.25-.99	90	1027	80	136	153	157	165	165	172	175	177	204	256
	M	1.00-1.49	170	1925	84	140	151	157	168	182	184	185	200	200	280
	M	1.50-1.99	116	1046	100	143	144	151	158	166	171	180	180	207	257
1869 Jan.	M	2.00-2.49	49	442	100	144	163	173	175	175	190	200	200	213	257
	M	2.50 +	28	65	100	117	120	120	120	120	131	142	154	157	250
	M & F	.25-.99	136	1924	80	138	155	165	174	175	179	192	204	204	263
	F	.25-.99	45	807	80	138	154	161	172	175	175	179	186	193	250
	M	.25-.99	91	1117	80	143	155	165	174	177	190	204	204	204	263
	M	1.00-1.49	169	2665	63	140	153	163	182	188	200	200	200	205	280
1869 July	M	1.50-1.99	116	984	100	143	146	152	159	165	172	178	180	185	257
	M	2.00-2.49	49	343	100	143	143	163	175	190	200	205	213	250	237
	M	2.50 +	28	67	95	109	120	120	120	120	120	133	151	167	250
	M & F	.25-.99	134	1982	80	138	157	168	175	178	187	208	212	212	303
	F	.25-.99	45	822	80	136	155	167	172	178	178	190	202 *	208	270
	M	.25-.99	89	1160	80	139	157	174	175	181	212	212	212	212	303
	M	1.00-1.49	170	3069	63	140	157	167	177	184	200	200	205	205	325
	M	1.50-1.99	120	1171	100	143	149	153	158	163	171	180	180	197	307
	M	2.00-2.49	50	494	100	163	164	175	200	200	200	222	225	225	257
	M	2.50 +	28	68	95	100	120	120	120	120	120	133	146	174	250

TABLE 42—(CONTINUED).  
*Relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880.*

Date	Sex	Wage-group	No. of Series	No. of Persons	Low. est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1870 Jan.	M & F	.25-.99	134	2189	77	141	157	167	174	179	191	208	208	208	270
	F	.25-.99	45	817	77	139	152	163	167	179	179	184	191	214	270
	M	.25-.99	89	1372	79	141	160	170	175	192	208	208	208	208	261
	M	1.00-1.49	172	2878	84	140	156	170	184	188	197	220	220	227	325
	M	1.50-1.99	119	1104	100	142	153	154	157	166	170	180	180	192	257
	M	2.00-2.49	49	442	100	150	165	160	175	188	200	213	213	225	257
	M	2.50 +	29	70	91	112	117	120	120	120	120	133	144	160	250
1870 July	M & F	.25-.99	133	1923	77	137	154	170	178	179	186	197	209	209	303
	F	.25-.99	44	804	77	135	157	170	177	179	179	186	197	205	270
	M	.25-.99	89	1119	78	137	151	170	178	186	186	209	209	209	303
	M	1.00-1.49	173	3077	84	140	153	167	178	184	203	204	220	220	325
	M	1.50-1.99	121	1138	100	143	148	155	160	163	171	180	180	210	257
	M	2.00-2.49	51	698	75	163	165	175	175	175	212	212	212	212	257
	M	2.50 +	29	64	91	112	117	120	120	120	120	133	144	160	250
1871 Jan.	M & F	.25-.99	134	2050	78	144	165	175	190	191	200	207	207	227	301
	F	.25-.99	45	854	78	150	167	184	191	191	200	208	227	237	270
	M	.25-.99	86	1206	71	140	157	170	181	191	195	198	199	198	301
	M	1.00-1.49	172	2821	97	146	162	175	178	188	196	204	220	220	325
	M	1.50-1.99	120	1177	93	144	150	157	163	169	180	180	200	238	257
	M	2.00-2.49	50	441	81	150	166	166	175	175	175	212	212	212	257
	M	2.50 +	29	61	91	109	117	120	120	120	120	133	144	165	250
1871 July	M & F	.25-.99	131	2085	71	142	164	174	184	193	196	198	200	225	301
	F	.25-.99	45	879	78	152	169	179	195	196	196	211	225	261	270
	M	.25-.99	89	1196	79	141	163	174	184	198	201	207	207	207	301
	M	1.00-1.49	167	3138	99	147	164	175	189	195	196	200	200	204	300
	M	1.50-1.99	120	1366	93	144	152	154	160	167	180	180	204	233	257
	M	2.00-2.49	51	958	79	166	175	175	190	200	212	212	212	212	257
	M	2.50 +	29	54	91	109	117	120	120	120	136	138	148	183	250

TABLE 42—(CONTINUED).  
*Relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880.*

Date	Sex	Wage-group	No. of Series	No. of Persons	Low. est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High. est
1872 Jan.	M & F	.25-.99	133	1789	79	139	155	169	183	197	203	208	217	230	307
	F	.25-.99	45	852	80	150	174	186	200	213	217	217	221	233	289
	M	.25-.99	88	987	79	135	143	159	168	179	197	198	205	205	307
	M	1.00-1.49	166	2697	73	147	163	172	175	180	196	200	200	203	300
	M	1.50-1.99	116	1121	110	146	152	155	158	163	167	177	180	188	257
	M	2.00-2.49	51	419	86	121	167	167	175	175	195	212	212	222	257
	M	2.50 +	29	70	91	117	120	120	120	120	126	126	150	160	250
	M & F	.25-.99	132	2191	80	143	164	177	192	198	207	207	213	229	307
	F	.25-.99	44	875	80	150	173	186	196	202	213	213	229	259	289
	M	.25-.99	88	1316	86	139	158	174	190	198	204	207	207	207	307
1872 July	M	1.00-1.49	168	3501	103	154	171	180	196	200	200	200	201	204	300
	M	1.50-1.99	118	1239	110	148	156	157	162	163	171	177	180	192	286
	M	2.00-2.49	51	562	111	151	167	175	175	175	200	200	212	212	257
	M	2.50 +	28	68	91	117	120	120	120	120	120	127	145	160	250
	M & F	.25-.99	131	1952	80	139	157	172	184	184	193	198	207	225	304
	F	.25-.99	44	819	80	150	169	186	193	200	207	212	223	241	296
	M	.25-.99	87	1133	86	136	153	165	177	184	184	184	198	200	304
	M	1.00-1.49	170	2654	91	140	155	167	175	189	200	200	200	204	300
	M	1.50-1.99	116	1149	110	143	155	157	160	165	171	177	180	196	258
	M	2.00-2.49	50	405	100	150	163	167	175	175	189	212	212	212	257
1873 Jan.	M	2.50 +	29	74	97	106	120	120	120	120	120	139	148	160	250
	M & F	.25-.99	134	2010	74	143	159	176	192	201	211	213	222	232	304
	F	.25-.99	45	818	80	150	171	192	194	200	215	222	223	232	273
	M	.25-.99	89	1192	74	132	155	170	178	201	201	213	213	213	304
	M	1.00-1.49	171	3039	94	140	161	173	180	189	200	200	200	204	300
	M	1.50-1.99	117	1148	110	145	157	158	160	169	175	180	195	200	258
	M	2.00-2.49	51	541	89	163	164	175	175	175	188	200	212	212	257
	M	2.50 +	29	70	97	106	115	120	120	120	120	139	151	160	250
	M & F	.25-.99	134	2010	74	143	159	176	192	201	211	213	222	232	304
	F	.25-.99	45	818	80	150	171	192	194	200	215	222	223	232	273
	M	.25-.99	89	1192	74	132	155	170	178	201	201	213	213	213	304

TABLE 42—(CONTINUED).  
*Relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880.*

Date	Sex	Wage-group	No. of Series	No. of Persons	Low- est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1874 Jan.	M & F	.25-.99	131	1930	51	137	149	168	174	183	186	191	195	218	267
	F	.25-.99	44	802	74	145	160	173	191	195	195	196	218	221	227
	M	.25-.99	87	1128	51	133	148	156	168	183	186	186	186	203	267
	M	1.00-1.49	171	2626	88	143	155	166	172	181	200	200	201	204	300
	M	1.50-1.99	114	1032	91	137	145	151	157	160	169	180	180	191	258
	M	2.00-2.49	51	428	100	150	150	163	168	175	212	212	212	212	257
	M	2.50+	29	76	95	110	117	120	120	120	120	125	142	160	250
1874 July	M & F	.25-.99	131	1887	51	138	151	164	176	184	189	189	204	217	267
	F	.25-.99	44	806	74	147	152	172	187	199	204	204	214	218	252
	M	.25-.99	87	1081	51	137	149	156	170	180	184	184	189	199	267
	M	1.00-1.49	169	2538	77	144	160	166	173	174	189	200	200	204	336
	M	1.50-1.99	116	1036	91	142	145	157	160	164	170	180	180	193	258
	M	2.00-2.49	51	486	89	155	163	166	175	175	183	188	202	212	257
	M	2.50+	29	78	97	110	117	120	120	120	120	133	154	160	250
1875 Jan.	M & F	.25-.99	131	1906	63	134	148	153	160	165	172	176	181	199	252
	F	.25-.99	43	793	64	143	148	161	173	180	181	181	191	200	252
	M	.25-.99	88	1113	63	130	144	149	160	160	163	172	172	184	250
	M	1.00-1.49	165	1979	88	130	150	160	166	175	199	200	200	204	297
	M	1.50-1.99	114	941	91	133	141	144	147	152	157	163	171	192	258
	M	2.00-2.49	50	296	82	125	151	162	162	164	175	175	175	206	257
	M	2.50+	29	77	100	110	120	120	120	120	120	133	150	160	250
1875 July	M & F	.25-.99	130	1911	63	133	146	158	161	167	175	177	183	198	252
	F	.25-.99	43	823	64	145	152	161	170	182	183	183	190	205	252
	M	.25-.99	87	1088	63	130	144	149	161	161	163	177	177	191	243
	M	1.00-1.49	168	2110	88	130	144	150	155	163	166	179	200	200	329
	M	1.50-1.99	116	1042	77	133	140	144	144	152	155	160	173	191	258
	M	2.00-2.49	50	412	82	128	153	160	160	163	163	164	175	175	257
	M	2.50+	29	57	91	105	117	120	120	120	133	140	158	179	250



TABLE 42—(CONTINUED).  
*Relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880.*

Date	Sex	Wage-group	No. of Series	No. of Persons	Low- est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1876 Jan.	M & F	.25-.99	130	1709	57	125	141	145	155	171	177	178	180	189	252
	F	.25-.99	43	800	57	138	148	155	175	179	179	186	189	189	252
	M	.25-.99	87	909	78	124	138	141	145	158	167	177	177	177	230
	M	1.00-1.49	163	1780	68	128	142	150	157	164	175	197	200	200	403
	M	1.50-1.99	110	1004	63	127	133	143	144	148	149	159	172	200	250
	M	2.00-2.49	50	319	72	125	150	150	150	163	163	174	206	212	257
1876 July	M	2.50 +	29	65	91	105	108	108	108	120	133	137	153	167	220
	M & F	.25-.99	133	2058	57	129	139	139	152	155	163	168	172	182	252
	F	.25-.99	43	890	57	138	150	162	168	168	174	174	178	182	252
	M	.25-.99	90	1168	63	124	137	139	139	147	155	155	157	175	237
	M	1.00-1.49	168	2150	82	120	126	128	142	150	157	165	195	200	286
	M	1.50-1.99	111	958	63	120	128	135	138	144	147	153	163	181	233
1877 Jan.	M	2.00-2.49	51	468	72	125	140	140	150	150	165	175	175	177	231
	M	2.50 +	28	77	91	102	108	108	108	108	125	135	140	162	220
	M & F	.25-.99	129	1970	56	124	126	134	145	146	155	158	170	174	252
	F	.25-.99	42	855	56	130	145	156	156	156	168	171	171	176	252
	M	.25-.99	87	1115	73	122	124	126	132	145	146	146	151	172	244
	M	1.00-1.49	166	1977	83	112	129	142	145	152	157	160	160	187	270
1877 July	M	1.50-1.99	111	890	72	115	117	124	133	137	142	147	158	180	233
	M	2.00-2.49	49	319	72	125	125	125	133	142	150	160	160	171	231
	M	2.50 +	29	53	94	103	106	108	120	130	133	139	150	165	200
	M & F	.25-.99	132	2096	56	127	132	137	146	147	154	163	168	175	267
	F	.25-.99	43	890	56	131	150	157	163	163	168	168	171	180	252
	M	.25-.99	89	1206	68	124	132	132	136	141	147	147	150	171	267
	M	1.00-1.49	168	1894	63	100	118	121	131	140	145	157	160	176	236
	M	1.50-1.99	114	955	72	115	120	128	132	137	141	147	153	164	233
	M	2.00-2.49	51	537	72	125	125	125	125	125	138	140	149	150	208
	M	2.50 +	29	65	84	103	108	108	108	117	128	133	139	165	200

TABLE 42—(CONTINUED).  
*Relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880.*

Date	Sex	Wage-group	No. of Series	No. of Persons	Low. est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1878 Jan.	M & F	.25-.99	131	2058	57	125	127	137	148	153	159	168	171	175	267
	F	.25-.99	43	894	57	131	148	159	164	168	169	171	171	183	252
	M	.25-.99	88	1164	57	120	127	127	137	142	153	153	153	169	267
	M	1.00-1.49	167	1606	79	100	120	126	140	141	144	155	160	176	236
	M	1.50-1.99	112	878	65	115	117	124	128	135	137	145	154	161	233
	M	2.00-2.49	50	300	68	123	125	125	125	133	149	149	149	150	208
1878 July	M	2.50 +	28	67	84	100	108	108	108	108	127	130	133	165	250
	M & F	.25-.99	131	2191	57	125	131	135	145	148	153	167	174	179	283
	F	.25-.99	43	938	57	131	144	155	164	167	168	175	179	200	252
	M	.25-.99	88	1253	57	121	131	131	131	140	148	148	148	171	283
	M	1.00-1.49	165	1827	63	100	118	123	125	134	142	156	160	176	236
	M	1.50-1.99	115	958	65	115	117	123	127	134	137	144	151	159	214
1879 Jan.	M	2.00-2.49	51	437	68	113	125	125	125	125	125	136	149	150	208
	M	2.50 +	27	81	84	103	108	108	108	108	120	128	133	148	250
	M & F	.25-.99	130	2090	56	119	124	131	141	144	153	165	171	179	261
	F	.25-.99	44	917	56	129	141	153	165	165	169	171	177	184	261
	M	.25-.99	86	1173	83	118	124	124	128	138	144	144	144	169	232
	M	1.00-1.49	170	1691	79	100	115	122	125	135	144	152	160	176	260
1879 July	M	1.50-1.99	114	891	75	115	117	126	128	134	138	143	151	160	214
	M	2.00-2.49	50	315	73	113	125	125	125	131	149	149	149	154	225
	M	2.50 +	28	80	79	97	97	108	108	108	117	124	133	150	250
	M & F	.25-.99	132	2292	57	122	125	128	140	142	147	160	168	179	269
	F	.25-.99	44	947	57	132	144	151	160	160	163	171	171	200	269
	M	.25-.99	88	1345	83	121	125	125	125	133	142	142	142	163	254
	M	1.00-1.49	171	1965	77	99	111	120	120	130	137	140	160	178	221
	M	1.50-1.99	115	1047	75	115	118	125	127	130	133	140	145	157	208
	M	2.00-2.49	51	455	73	113	119	125	125	131	149	149	150	150	225
	M	2.50 +	26	73	79	97	100	108	108	108	117	128	130	140	250

TABLE 42—(CONCLUDED).  
*Relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1880-1880.*

Date	Sex	Wage-group	No. of Series	No. of Persons	Low- est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1880 Jan.	M & F	.25-.99	135	2256	57	131	124	130	141	141	154	164	170	177	254
	F	.25-.99	45	939	57	132	149	158	164	164	170	175	175	175	252
	M	.25-.99	90	1317	84	119	124	124	138	136	141	141	160	167	254
	M	1.00-1.49	172	1924	75	103	118	122	126	133	140	148	160	178	218
	M	1.50-1.99	115	952	80	118	126	128	130	130	133	137	147	161	220
	M	2.00-2.49	51	295	80	111	123	125	125	133	150	163	163	168	213
1880 July	M	2.50 +	25	72	79	100	108	108	108	108	113	122	133	140	260
	M & F	.25-.99	134	2468	60	115	132	134	140	140	152	163	173	180	311
	F	.25-.99	45	960	60	132	151	156	163	163	173	173	177	208	311
	M	.25-.99	89	1508	84	115	124	134	134	134	140	140	146	160	264
	M	1.00-1.49	171	2289	70	115	123	126	127	136	144	152	160	175	238
	M	1.50-1.99	116	1219	80	124	129	132	135	136	141	150	155	160	220
	M	2.00-2.49	51	434	80	100	122	128	150	150	150	150	150	164	225
	M	2.50 +	27	83	79	108	108	113	120	120	120	124	134	160	250

TABLE 43.

*Average distribution of wage-earners belonging to five wage-groups over the field covered by the fluctuations of relative rates of wages from 1860 to 1880.*

NOTE.—Based upon Table 42 in the same fashion as Table 34 is based upon Table 33.

Average number of points in the scale of relative wages between	Less than \$1.00	\$1.00-1.49	\$1.50-1.99	\$2.00-2.49	\$2.50 and over
Lowest relative wages and 1st decile	55.0	44.5	38.9	38.5	13.8
1st and 2d deciles	11.2	11.9	5.0	9.6	6.4
2d and 3d deciles	7.5	6.6	3.7	6.9	2.3
3d and 4th deciles	7.7	6.6	3.6	3.4	0.7
4th deciles and Medians	4.1	6.7	4.4	4.2	0.9
Medians and 6th deciles	5.8	7.4	5.0	9.3	4.8
6th and 7th deciles	5.8	5.9	6.2	5.4	7.0
7th and 8th deciles	5.7	5.5	6.0	3.9	8.8
8th and 9th deciles	9.7	6.1	12.5	5.2	12.3
9th deciles and highest relative wages	67.7	86.9	53.5	44.5	69.9
Lowest and highest relative wages	180.2	188.1	138.9	130.9	126.9

tive increase in the rates of pay. To this rule there was one exception;—persons receiving less than a dollar a day in 1860 received a smaller relative increase in pay than persons receiving \$1.00–\$1.49 a day. In *A History of the Greenbacks* it was suggested that this connection between actual wages and advance of relative wages was due to the more severe pressure which the increased cost of living put upon wage-earners with small incomes. The apparent exception of persons earning less than a dollar a day in 1860 was accounted for on the ground that the family responsibilities of the lowest-paid workers were on the average less than those of men earning a dollar or more a day. For this reason the increased cost of living embarrassed the lowest group less than the next higher group.<sup>5</sup> The plausibility of this explanation is not diminished by the fact that the symmetrical movement of the relative wages of the groups is seriously marred after the war. For the tables of retail prices indicate that the cost of living declined after 1865 or 1866, and that relative wages were as a whole higher than relative prices by 1868, if not earlier. From this time on, increased cost of living was not the dominating factor in the situation, and therefore did not produce its

<sup>5</sup> Pp. 305, 306.

TABLE 44.

*Arithmetic means of relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880.*

*Data obtained from the exhibits of the Aldrich report.*

NOTE.—Compare with Table 42. On method of computing arithmetic means, see pp. 94, 95.

Daily wages in Jan., 1860		Less than \$1.00			\$1.00- 1.49	\$1.50- 1.99	\$2.00- 2.49	\$2.50 & over
Sex		Males	Females	Both sexes	Males	Males	Males	Males
Number of series		94	45	139	177	121	52	29
Average no. of persons		1039	762	1801	2358	990	423	65
1860	Jan.	100	100	100	100	100	100	100
	July	101	101	101	100	100	100	100
1861	Jan.	101	102	101	102	102	100	99
	July	101	106	103	95	102	98	100
1862	Jan.	102	104	103	101	105	99	100
	July	103	108	105	102	108	100	98
1863	Jan.	114	110	112	119	116	103	98
	July	117	110	114	122	119	108	101
1864	Jan.	120	112	122	140	127	117	106
	July	137	120	129	152	138	136	113
1865	Jan.	150	130	141	161	150	142	123
	July	152	143	148	163	152	149	122
1866	Jan.	166	159	163	167	157	150	126
	July	164	167	165	168	160	158	128
1867	Jan.	173	169	172	170	161	161	131
	July	164	170	167	169	166	176	133
1868	Jan.	169	168	168	169	165	169	133
	July	168	169	168	173	168	180	134
1869	Jan.	179	170	175	181	166	186	132
	July	185	178	182	182	167	196	131
1870	Jan.	184	172	180	188	167	188	131
	July	182	175	179	184	168	188	131
1871	Jan.	180	191	185	187	176	181	131
	July	187	195	190	184	176	192	134
1872	Jan.	179	201	190	181	166	181	131
	July	190	199	193	189	169	184	130
1873	Jan.	178	197	186	183	169	182	132
	July	189	200	193	183	172	184	132
1874	Jan.	172	184	177	182	164	181	130
	July	173	185	178	178	167	179	130
1875	Jan.	160	170	164	177	157	166	131
	July	162	171	166	166	156	162	135
1876	Jan.	157	169	162	169	154	165	128
	July	149	163	155	155	148	156	124
1877	Jan.	142	156	148	150	141	144	130
	July	143	159	150	141	139	134	125
1878	Jan.	143	162	152	143	137	138	124
	July	142	164	151	138	136	132	121
1879	Jan.	137	162	148	138	135	137	119
	July	136	161	146	134	133	135	119
1880	Jan.	138	165	149	138	135	140	119
	July	140	166	150	141	140	140	125

characteristic effects upon rates of wages. During these later years the lead was held sometimes by men receiving less than a dollar in 1860, sometimes by the \$1.00-\$1.49 group, sometimes by the \$2.00-\$2.49 group. But all of the time, the highest group had the lowest relative wages.<sup>a</sup>

The comparison between the wages of males and females, afforded by the lowest group, gives the same results as previous comparisons of the sexes:—men have the higher relative wages during the war; the relations vary for the next few years; women are always in the lead after 1870. A fairer comparison may be made, however, by taking smaller wage-groups, because there are over 40 times as many men as there are women earning 75-99 cents a day in 1860. The table which follows shows the relative wages of males and of females paid 25-49 and 50-74 cents at the start. In the lower group males have the higher relative wages at every date but one until 1879; in the higher group females have the higher relative wages after January, 1865.

<sup>a</sup>The large series of laborers (city public works, establishment 35), which was excluded from the grade of unskilled workers in the note on p. 145, belongs to the wage-group of \$1.00-\$1.49. The effect of excluding it here is as follows:

\$1.00—\$1.49				\$1.00—\$1.49			
As in		Lab'rs, 35, excluded	Less than \$1	As in		Lab'rs, 35, excluded	Less than \$1
Table 40							
1860	Jan.	100	100	1871	Jan.	187	180
	July	100	101		July	184	187
1861	Jan.	102	101	1872	Jan.	181	179
	July	95	101		July	189	190
1862	Jan.	101	102	1873	Jan.	183	178
	July	102	103		July	183	189
1863	Jan.	119	114	1874	Jan.	182	172
	July	122	117		July	178	173
1864	Jan.	140	120	1875	Jan.	177	160
	July	152	137		July	166	162
1865	Jan.	161	150	1876	Jan.	169	157
	July	168	152		July	155	149
1866	Jan.	167	166	1877	Jan.	150	142
	July	168	164		July	141	143
1867	Jan.	170	173	1878	Jan.	143	143
	July	169	164		July	138	142
1868	Jan.	169	169	1879	Jan.	138	137
	July	173	168		July	134	136
1869	Jan.	181	179	1880	Jan.	138	138
	July	182	185		July	141	140
1870	Jan.	188	184				
	July	184	182				

TABLE 45.

*Arithmetic means of relative rates of wages of males and females receiving initial wages of 25-49 and 50-74 cents per day: January and July, 1860-1880.*

*Data obtained from the exhibits of the Aldrich Report.*

NOTE.—On method of computing arithmetic means, see pp. 94, 95.

Daily wages in Jan. 1860		25-49 cents			50-74 cents		
Sex		Males	Females	Both sexes	Males	Females	Both sexes
Number of series		13	16	29	23	26	49
Av. number of persons		96	195	291	105	550	655
1860	Jan.	100	100	100	100	100	100
	July	105	101	103	101	101	101
1861	Jan.	101	100	101	99	102	101
	July	105	100	102	101	108	106
1862	Jan.	106	105	106	103	104	104
	July	113	105	109	106	109	108
1863	Jan.	123	106	115	115	111	112
	July	127	113	119	118	109	111
1864	Jan.	135	123	129	124	109	112
	July	138	130	133	122	117	118
1865	Jan.	152	126	135	143	132	134
	July	156	134	141	145	148	147
1866	Jan.	171	163	166	155	159	158
	July	180	170	173	156	167	165
1867	Jan.	193	168	176	152	170	167
	July	192	167	175	154	172	170
1868	Jan.	197	165	175	151	170	167
	July	197	167	176	150	170	167
1869	Jan.	200	167	178	153	172	170
	July	198	185	189	149	176	172
1870	Jan.	202	183	189	151	170	167
	July	201	178	184	153	175	172
1871	Jan.	207	205	206	157	188	183
	July	210	214	213	151	189	184
1872	Jan.	234	216	221	150	198	190
	July	237	210	217	157	196	190
1873	Jan.	246	198	211	158	198	191
	July	236	202	212	158	201	193
1874	Jan.	216	184	194	146	185	178
	July	217	178	190	149	189	182
1875	Jan.	189	166	173	140	172	167
	July	189	166	174	140	174	169
1876	Jan.	186	162	169	135	171	166
	July	183	169	173	132	162	158
1877	Jan.	184	162	169	128	156	152
	July	182	161	168	129	158	154
1878	Jan.	176	171	172	128	160	156
	July	178	173	175	128	161	157
1879	Jan.	155	168	164	125	160	155
	July	153	171	166	129	157	153
1880	Jan.	168	177	175	135	160	157
	July	164	178	175	139	162	158

*g.—Comparison with Falkner's Tables of Relative Wages.*

On comparing the tables which have been presented with the tables compiled from the same data under the direction of Professor R. P. Falkner and published in Part I of the *Aldrich Report*, one finds that they agree regarding the general character of the wage-movements, but differ materially regarding the degree of these movements. The differences in results are due almost wholly to a difference in method. Professor Falkner treated each wage-series as having the same importance, whether it represented the relative wages of one man or a hundred men. On the other hand, I have weighted each series at each date by the number of persons whose actual wages the series reports on that date. Falkner's method gives averages of the relative rates of pay for different *kinds of work*; mine gives averages of the relative rates of pay of different *wage-earners*.

Since Falkner's tables show only arithmetic means it is necessary to confine the comparison to this form of average. My arithmetic means were computed from the tally-sheets used in determining deciles, by multiplying each relative wage by the number of persons receiving it, and dividing the sum of the products by the total number of persons. This work was done both with the tally-sheets for industries and the tally-sheets for groups based on initial wages. The results of the two sets of computations were corrected by comparison until they agreed perfectly, so that the chance of errors of computation affecting the result was practically excluded. Further, to make certain that the slight differences in the series used and in other minor details did not account for more than a small part of the discrepancies between Falkner's results and mine, I had arithmetic means computed from my tally-sheets by Falkner's method—that is, by multiplying each relative wage by the number of series (instead of the number of persons) shown as receiving it, and dividing the sum of the products by the whole number of series. This work also was done on the two sets of tally-sheets and the results brought to perfect agreement. These new arithmetic means for all industries, together with the medians, are compared in the next table with Falkner's corresponding averages.



The table shows that the new simple averages agree closely with Falkner's simple averages. The discrepancy between his figures and my January figures is less than half of one point in

TABLE 46.

*Relative rates of wages in all industries according to various methods of averaging: January and July, 1860-1880.*

NOTE.—See the explanations on p. 169.

Dates		Falkner's Averages		New Averages		Medians
		Arithmetic Means		Arithmetic Means		
		Weighted	Simple	Simple	Weighted	
1860	Jan.	100.0	100.0	100.0	100	100
	July			100.8	100	100
1861	Jan.	100.7	100.8	101.4	102	100
	July			101.3	99	99
1862	Jan.	103.7	102.9	103.4	102	100
	July			104.6	104	100
1863	Jan.	118.8	110.5	110.5	116	114
	July			114.8	119	115
1864	Jan.	134.0	125.6	123.9	131	129
	July			134.4	142	139
1865	Jan.	148.6	143.1	142.8	152	150
	July			146.4	155	152
1866	Jan.	155.6	152.4	152.4	161	165
	July			155.7	164	163
1867	Jan.	164.0	157.6	157.3	167.5	175
	July			159.7	167.5	166
1868	Jan.	164.9	159.2	158.1	166.8	168
	July			160.5	170.0	172
1869	Jan.	167.4	162.0	161.4	175.8	176
	July			163.8	179.4	179
1870	Jan.	167.1	162.2	162.4	180.6	180
	July			162.3	179.3	179
1871	Jan.	166.4	163.6	163.2	182.6	185
	July			164.7	184.3	192
1872	Jan.	167.1	166.0	165.6	179.3	177
	July			168.9	185.1	194
1873	Jan.	166.1	167.1	166.8	179.9	180
	July			167.9	182.9	187
1874	Jan.	162.5	161.5	161.9	175.9	179
	July			163.8	175.3	175
1875	Jan.	158.0	158.4	158.8	166.9	165
	July			157.4	162.9	161
1876	Jan.	151.4	152.5	153.8	162.4	160
	July			150.1	153.2	151
1877	Jan.	143.8	144.9	146.2	147.2	146
	July			144.9	143.2	142
1878	Jan.	140.9	142.5	143.8	145.2	143
	July			142.5	142.5	140
1879	Jan.	139.4	139.9	140.3	141.6	140
	July			139.0	139.0	135
1880	Jan.	143.0	141.5	141.2	142.3	137
	July			144.0	144.3	140

the scale of relative wages in 13 of the 21 years, and in no year exceeds 1.7 points. These slight differences arise from the facts that (1) I have omitted a few series which Falkner uses, (2) I have made separate series for males and females in occupations in which both sexes are employed, (3) Falkner computes relative wages in some cases on the basis of actual wages in July instead of in January. But the table also shows wide differences between both Falkner's and my series of simple arithmetic means on the one hand, and the series of weighted arithmetic means on the other hand. These differences appear as soon as the advance of relative wages is fairly under way, rise to a maximum of 19 points in January, 1871, and then fall gradually to less than one point in January, 1880. The close agreement between Falkner's simple arithmetic means and mine, together with the wide divergencies between my simple and weighted arithmetic means, is conclusive proof that the difference between his simple and my weighted arithmetic means is due almost wholly to his failure to take account of the number of persons whose wages are represented by the series.

The reason why this difference in method makes large differences in results is that the series representing but one or two wage-earners show on the average a less rapid and a less considerable advance in wages up to the early '70's, and a less considerable fall from the early '70's to 1879, than do the series representing relatively large numbers. A much larger proportion of the small than of the large series represent the wages of foremen, overseers, and highly paid mechanics; and Tables 40 and 42 show that the highest of our four industrial grades and the highest of our five wage-groups exhibit much less mobility of wages than do the lower grades and wage-groups. Falkner's method allows these relatively immobile series an influence on the result depending on the ratio between their number and the whole number of series; my method allows them an influence depending on the smaller ratio between the number of persons they represent and the whole number of persons. These ratios in the case of the highest wage-group, for example, average 5.6 per cent. and 1.2 per cent. respectively. On the other hand, of course, Falkner's method gives to the largest wage-group (males earning \$1.00-

\$1.49 per day in 1860), which shows on the whole the highest range of relative wages, an average weight of 34.2 per cent. on the results, while mine allows it 41.8 per cent. Further, it appears to be the case that establishments employing many men, and therefore represented by large series, advanced wages more liberally between 1860 and 1872, and reduced wages more sharply after 1873, than small establishments in the same industries.

Professor Falkner, however, did not rest content with the simple arithmetic means which have been criticized, but made also a series of weighted arithmetic means in which he sought to take account of numbers employed. But in doing so he kept his old errors of method, and added new errors to them. His method of weighting was to take the simple averages for 17 of his 21 industries, weight them by figures obtained from the census returns for occupations, and divide the sum of the products by the sum of the weights. This procedure does not eliminate the original errors in the averages for industries; and census tables for occupations do not give weights properly applicable to industries.<sup>7</sup> Moreover, in this process Falkner assigns large weights to some industries for which his data are too scanty to give reliable averages. The most conspicuous case is afforded by "dry goods (stores)," for which he has only three series, coming from a single establishment, but to which he assigns a weight second only to that for building trades.<sup>8</sup> As it happens, however, this curiously weighted series of averages approximates the correct results more closely than does the series of simple averages. But even Falkner's weighted figures are much too low for the years of highest relative wages:—in January, 1871, for example, his weighted arithmetic mean is 16 points less than the corresponding average in the new table.<sup>9</sup>

<sup>7</sup> See *History of the Greenbacks*, p. 312.

<sup>8</sup> *Aldrich Report*, Part I, pp. 135 and 176.

<sup>9</sup> It is not claimed for the new averages that they are necessarily correct in the sense of showing the actual changes in relative rates of pay of American wage-earners from 1860 to 1880; but that they are the correct averages for the data presented in the "exhibits" of the *Aldrich Report*. The representative character of these averages is discussed in section v. of this chapter.

*h.—Relative Wages in January, 1891.*

Falkner's averages for January, 1880, both simple and weighted, agree closely with the new weighted averages. The importance of his table as the only considerable body of evidence regarding the course of wages in the United States between 1880 and 1890, when the Bureau of Labor tables begin, makes it highly desirable to know whether his latest figures—for 1891—are nearly correct, like those for 1880, or far from correct, like those for 1871. Accordingly, I have gone outside the paper-standard period to compute new averages of relative wages in January, 1891. The results are given in full in the next table, and show

TABLE 47.

*Relative Rates of Wages in January, 1891.**A—Arithmetic Means.**(1) Relative Wages in All Industries.*

Falkner's Averages.	
Weighted .....	168.6
Simple .....	160.7
New Averages	
Simple .....	160.9
Weighted .....	157.8

*(2) Relative Wages in Nine Industries.*

	Cotton textiles	Ging- hams	Woolen textiles	Metals & metallic goods	Bldg. trades	Stone	Rail- roads	Illum- inating gas	City public works
Falkner's av'ge	165.1	152.7	167.8	148.6	172.5	165.2	146.4	167.7	164.6
New averages									
Simple	164	153	168	150	176	160	149	168	167
Weighted	171	164	160	144	171	147	156	164	161

*(3) Relative Wages of Males and Females.*

	All industries	All industries in which both males & females were employed	Cotton textiles	Ginghams	Woolen textiles
Simple averages—males	160	156	161	146	168
—females	171	171	177	170	166
Weighted av'ges—males	154	155	161	150	158
—females	173	173	181	174	164

*(4) Relative Wages in Five Wage-groups.*

Daily wages re- ceived in Jan. 1860	Less than \$1.00			\$1.00- 1.49	\$1.50- 1.99	\$2.00- 2.49	\$2.50 & over
Sex	Males	Females	Both sexes	Males	Males	Males	Males
Simple averages	165	174	168	156	159	170	152
Weighted averages	159	176	168	153	147	168	139

TABLE 47—(CONCLUDED).

*Relative rates of wages in January, 1891.**B—Medians and Deciles.*(1) *Relative Wages of Both Sexes, of Males and of Females in All Industries.*

	No. of Series	No. of Persons	Low-est	1st dec.	2d dec.	3d dec.	4th dec.	Median	6th dec.	7th dec.	8th dec.	9th dec.	High-est
M & F	503	7365	67	126	135	140	149	153	163	169	177	188	375
Male	455	5879	73	125	135	139	143	151	153	165	175	182	375
Female	48	1486	67	139	153	168	168	168	176	184	188	215	313

(2) *Relative Wages in Nine Industries.*

Cotton	101	867	73	122	133	140	146	153	171	202	215	234	282
Ginghams	30	1450	115	150	153	153	161	168	168	168	182	188	200
Woolen	61	491	95	121	133	142	144	169	171	171	171	194	313
Metals	124	1723	80	122	130	135	139	141	147	151	160	172	247
Building	38	374	97	138	149	157	157	175	175	179	187	210	280
Stone	19	526	129	139	139	139	139	140	140	140	140	175	260
Railways	11	438	105	120	151	153	159	160	165	165	172	172	172
Gas	22	470	130	130	130	150	154	158	178	178	178	224	224
City Public	22	542	120	143	149	149	149	165	176	176	176	176	202

(3) *Relative Wages in Five Wage-groups.*

\$0.25-.99	133	2819	93	138	140	153	153	168	168	177	188	210	313
\$1.00-1.49	170	2582	88	125	130	139	143	149	153	168	176	179	282
\$1.50-1.99	113	1394	87	122	135	137	141	143	150	154	159	175	299
\$2.00-2.49	52	361	73	137	150	165	165	165	175	175	175	200	275
\$2.50 +	28	60	85	120	120	120	120	120	133	140	160	168	375

that both of Falkner's averages for all industries are too high;—the simple average by nearly three points and the weighted average by nearly 11 points.

The errors of Professor Falkner's results may be summed up as follows: His tables understate the advance in relative wages from 1860 to 1872; they also understate the fall from 1872 to 1879; and they exaggerate, though less seriously, the rise from 1880 to 1891—provided always that the data on which they are based are representative in character. In particular Professor Falkner's conclusion that when his report was written (1892), wages were "at about the same point as they were in 1871-72"<sup>10</sup> is seriously misleading. The arithmetic means computed by more trustworthy methods from his own data indicate that wages in January, 1891, were 25 points lower than the average of the arithmetic means for 1871-72.

<sup>10</sup> Aldrich Report, Part I, p. 177.

*II.—Tables of Relative Wages Based on Data from Weeks's  
Report of 1880.*

*a.—Scope and Character of the Data.*

In Mr. Weeks's report, wages are given without specification as to number of employees, sex, or time of the year. Therefore some of the most interesting features of the preceding tables cannot be duplicated in the present section, and Falkner's method of averaging series without regard to the number of persons whose pay they represent must perforce be adopted. But Weeks's data give tolerably full information about several industries not covered by the *Aldrich Report*, and enable us to compare wages in the Northern Central States with wages in New England and the North Atlantic States. The number of establishments and of series is also much larger. Table 48 gives a general conspectus of the data.<sup>11</sup>

*b.—Relative Wages of all Series.*

Deciles for the whole body of series from the census are given in Table 49. It agrees with the preceding tables so far as the general character of wage-changes is concerned. Again we find a wide range of relative wages at each date, combined with decided similarity in the movements of the several deciles. The rapid rise of wages beginning in 1863 and extending to 1866; the slight advance of the next two or three years; the quick rise of the early seventies; the maximum of 1872; the decline after 1873 to the minimum of 1879, and the final reaction of 1880, are all shown here as there. The only important difference in direction of movement is that this table shows a small but general decline of wages from 1870 to 1871, while the table constructed from the Aldrich data shows a rise.

While there is thus a close correspondence between the direction of the wage-movements shown by the two tables, there is a marked difference in degree of rise and fall. This difference, however, is due partly to the lack of data regarding numbers

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<sup>11</sup> From the list of census series used in the *History of the Greenbacks* I have dropped three, and to it added 21 new series, thus raising the number to 1447.

TABLE 45.

*Conspectus of the data regarding wages obtained from Weeks's Report of 1889.*

Industries	Number of establishments		Number of wage-series		Number of States in which establishments were situated	No. of establishments	No. of wage-series
	East.	West.	East.	West.			
	states	states	states	states			
Cotton textiles	13	1	257	4	Maine	3	52
					New Hampshire	7	114
Woolen textiles	6	4	118	52	Massachusetts	16	204
					Connecticut	8	116
Carriages and wagons	3	6	31	42	New York	27	266
					New Jersey	7	52
Furniture	6	7	50	67	Pennsylvania	13	134
					Delaware	2	7
Machinery	5	6	40	58	Maryland	2	13
					Dist. of Columbia	1	1
Blast furnaces	6	2	62	15	West Virginia	1	11
Other iron and steel products <sup>1</sup>	11	2	77	29	Eastern States	87	970
Paper	5	2	84	19			
					Kentucky	6	51
Glass	5	—	62	—	Ohio	14	143
					Indiana	13	100
Saw mills	1	6	12	49	Illinois	7	63
					Michigan	3	23
Pottery	1	4	1	52	Wisconsin	6	45
					Iowa	2	9
Tanneries	7	1	54	10	Missouri	6	43
Miscellaneous <sup>2</sup>	18	16	122	80	Western States	57	477
All industries	87	57	970	477	United States	144	1447

<sup>1</sup> Includes:

1. Hardware	47 series
2. Rolling-mills	6 series
3. Stove foundries	46 series
4. Tin	7 series
Total	106 series

<sup>2</sup> These miscellaneous industries are:

1. Agricultural implements	5 series
2. Boots and shoes	17 series
3. Breweries	4 series
4. Brick making	33 series
5. Carpets	18 series
6. Clothing	17 series
7. Flour mills	28 series
8. Gas	4 series
9. Ice	9 series
10. Iron mining	3 series
11. Marble	11 series
12. Pianos	26 series
13. Pins	3 series
14. Ship-carpentry	8 series
15. Tobacco	16 series
Total	202 series.

TABLE 49.

*Relative rates of wages in all industries represented in Weeks's Report:  
by years, 1860-1880.*

NOTE.—The method adopted in constructing this table differs from that adopted in constructing Table 33, because the data do not show numbers employed. It is, however, like the method employed in constructing Table 4. See note upon the latter.

	No. of series	Low- est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1860		100	100	100	100	100	100	100	100	100	100	100
1861	1425	60	100	100	100	100	100	100	100	100	112	200
1862	1386	58	98	100	100	100	100	100	106	114	126	200
1863	1419	52	100	100	100	106	113	117	125	133	150	250
1864	1427	70	100	100	113	119	125	133	150	160	175	260
1865	1428	75	100	114	120	129	139	150	160	172	200	300
1866	1406	75	100	120	127	140	150	159	167	181	200	400
1867	1404	75	100	120	131	142	150	160	171	183	200	400
1868	1399	75	100	120	132	143	150	160	171	182	200	400
1869	1413	66	100	120	132	144	150	163	171	183	200	534
1870	1408	52	100	120	133	150	155	167	174	187	200	534
1871	1352	65	100	120	133	148	152	163	172	185	200	563
1872	1376	75	100	120	135	150	157	167	175	190	205	563
1873	1373	57	100	120	133	150	156	167	175	189	207	563
1874	1394	67	100	117	129	140	150	159	167	179	200	563
1875	1391	64	100	114	125	136	145	156	167	175	200	513
1876	1392	64	100	112	125	133	140	150	160	171	194	513
1877	1375	57	100	108	120	125	133	144	153	167	188	475
1878	1392	63	100	108	118	125	133	140	150	163	180	475
1879	1388	64	100	108	118	125	130	138	150	160	180	438
1880	1326	64	100	114	125	129	138	149	156	167	193	438

represented by the series from Weeks's report, and partly to the inclusion of data for new industries and new states. The attempt to eliminate these causes of difference and to make a fair comparison between the two sets of results can be made better after Weeks's data have been analyzed more fully.

Besides the difference in degree of movement indicated from year to year, there is also a difference in the degree of concentration of the wage-series at different points of the wage-scale. The intervals which divide the deciles from each other are somewhat wider and also more uniform from year to year. This fact, brought out by the next table, like the slighter degree of change from year to year is due largely to the absence of data for numbers employed.



TABLE 50.

*Average distribution of all wage-series from Weeks's Report and of all employees from the Aldrich Report over the field covered by the fluctuations of relative rates of wages from 1860 to 1880.*

NOTE.—Based upon Tables 33 and 49. See note upon Table 34.

Average number of points in the scale of relative wages between	Series from the Weeks Report	Wage-earners from the Aldrich Report
Lowest relative wages and 1st decile	33.3	58.0
1st and 2d deciles	12.2	10.2
2d and 3d deciles	9.2	6.5
3d and 4th deciles	8.8	6.2
4th deciles and Medians	6.3	6.2
Medians and 6th deciles	8.5	6.3
6th and 7th deciles	8.4	7.0
7th and 8th deciles	10.5	6.4
8th and 9th deciles	17.6	9.7
9th deciles and highest relative wages	232.0	95.1
Lowest and highest relative wages	346.8	211.6

*c.—Relative Wages in Various Industries.*

There are ten industries for which Mr. Weeks gives 50 or more series—enough to make a significant average of relative wages. Deciles for these industries, in form for easy comparison, are shown in Table 51. Three of the industries correspond to industries of the *Aldrich Report*—cotton textiles, woollen textiles, and metals and metallic goods—; the other seven are not represented at all, or are inadequately represented in the Aldrich data.

This table shows once more the universality of the general trend of wage-movements, and the differences in degree of change in different parts of the industrial field. All of these industries show a marked advance culminating in the later 60's or the early 70's, followed by a decided fall in the later '70's—a fall which in no case equals the preceding advance. The periods of maximum wages in the several industries are:

Cotton textiles	1873 median 160
Woollen textiles	1870 median 152
Tanneries	1873 median 165
Paper	1867 and 1868 median 150
Saw mills	1867 median 188
Furniture	1871 median 125
Carriages	1868 and 1869 median 160
Metals	1872 and 1873 median 157
Glass	1872 median 156
Pottery	1870 and 1877 median 167



TABLE 51—(CONTINUED).  
*Relative rates of wages of all series in ten industries: by years, 1860-1880.*

Year	Industries	No. of series	Lowest rel. wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. wage
1863	Cotton textiles	240	58	90	100	100	100	100	100	108	110	117	141
	Woolen textiles	170	65	100	100	100	100	109	114	117	125	129	160
	Tanneries	58	100	100	107	116	124	125	133	136	150	185	201
	Paper	103	80	100	100	100	100	100	113	117	125	137	171
	Saw mills	61	84	100	107	107	119	127	133	140	150	167	200
	Furniture	117	100	100	100	100	100	111	117	120	125	138	250
	Carriages	73	75	88	100	111	120	125	125	143	143	164	200
	Metals	281	52	100	100	111	114	120	125	128	139	150	250
	Glass	62	70	100	100	100	100	100	105	115	120	131	167
	Pottery	53	100	113	121	133	133	150	152	167	167	167	250
1864	Cotton textiles	257	81	100	100	105	108	112	117	120	129	140	178
	Woolen textiles	170	80	100	100	107	116	121	132	138	150	157	200
	Tanneries	64	100	117	124	132	139	145	154	160	167	185	201
	Paper	103	100	100	100	100	114	125	133	140	150	167	182
	Saw mills	61	86	100	100	133	150	156	167	175	200	200	260
	Furniture	117	100	100	100	100	113	117	120	125	143	167	250
	Carriages	73	75	100	109	117	121	140	150	164	171	183	220
	Metals	281	75	100	112	120	129	138	150	160	172	198	250
	Glass	62	70	100	100	114	119	123	133	138	159	161	200
	Pottery	38	100	113	120	125	133	150	150	160	167	167	250
1865	Cotton textiles	258	89	100	111	117	124	129	133	142	150	167	266
	Woolen textiles	170	82	107	120	137	134	143	150	154	169	200	230
	Tanneries	64	100	120	125	140	151	158	166	167	185	200	216
	Paper	103	100	100	100	100	125	133	140	150	167	175	201
	Saw mills	61	86	100	100	146	160	181	200	200	203	229	300
	Furniture	117	100	100	100	100	117	117	125	125	150	189	286
	Carriages	73	83	108	117	135	140	150	150	167	171	197	220
	Metals	280	75	100	114	125	138	147	161	171	187	200	296
	Glass	62	80	100	105	117	120	129	133	138	160	167	245
	Pottery	38	113	125	133	135	150	152	163	167	167	182	250

TABLE 51—(CONTINUED).  
*Relative rates of wages of all series in ten industries: by years, 1860-1880.*

Year	Industries	No. of series	Lowest rel. wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. wage
1866	Cotton textiles	259	89	115	125	133	140	149	155	163	175	184	266
	Woolen textiles	170	82	107	123	133	141	149	150	161	177	200	230
	Tanneries	57	100	120	136	150	153	160	168	183	200	200	216
	Paper	103	100	100	100	114	125	140	150	160	169	175	225
	Saw mills	54	86	90	100	128	160	175	200	200	200	218	250
	Furniture	117	100	100	100	100	117	120	125	140	150	200	315
	Carriages	73	83	108	117	125	150	150	164	171	183	200	220
	Metals	271	75	100	120	133	140	150	165	177	188	200	333
	Glass	62	80	100	120	130	138	146	160	169	182	200	262
	Pottery	38	113	125	133	135	150	152	163	167	167	182	250
1867	Cotton textiles	261	89	117	127	139	148	155	162	171	180	192	292
	Woolen textiles	170	82	113	120	133	142	148	150	158	170	190	230
	Tanneries	57	100	120	136	150	153	160	167	171	175	190	216
	Paper	103	100	100	100	114	125	150	155	167	175	183	250
	Saw mills	61	86	100	100	128	160	188	200	200	218	229	300
	Furniture	117	100	100	100	113	117	125	129	140	150	200	300
	Carriages	73	83	111	117	125	150	158	169	171	188	200	220
	Metals	271	75	100	117	133	143	150	167	177	197	203	296
	Glass	51	79	100	117	133	138	150	158	167	182	200	262
	Pottery	38	112	125	133	135	150	160	163	167	167	182	250
1868	Cotton textiles	261	89	117	126	138	144	150	160	167	176	187	250
	Woolen textiles	170	82	114	120	133	142	150	150	163	171	188	230
	Tanneries	57	100	120	140	150	153	160	166	167	171	185	247
	Paper	103	100	100	100	114	125	150	150	161	180	188	250
	Saw mills	54	100	100	100	125	148	182	200	200	200	229	300
	Furniture	117	100	100	100	114	117	125	138	150	160	200	286
	Carriages	73	83	111	117	125	150	160	171	175	188	200	220
	Metals	273	75	100	117	133	148	150	167	175	187	200	308
	Glass	51	79	100	117	125	138	143	161	167	186	200	262
	Pottery	38	112	125	133	150	152	160	167	167	175	182	250

TABLE 51—(CONTINUED).  
*Relative rates of wages of all series in ten industries: by years, 1860-1880.*

Year	Industries	No. of series	Lowest rel. wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. wage
1869	Cotton textiles	261	83	117	127	138	145	151	160	166	177	192	263
	Woolen textiles	169	82	117	124	133	148	150	153	167	171	195	280
	Tanneries	57	100	120	142	150	158	160	166	169	172	185	231
	Paper	103	83	100	100	114	125	130	158	167	182	192	250
	Saw mills	54	100	100	100	131	150	162	200	200	200	229	300
	Furniture	117	100	100	100	114	117	125	138	150	160	200	250
	Carriages	73	83	111	117	125	150	160	171	175	188	200	220
	Metals	273	66	100	117	129	147	150	167	176	187	200	308
	Glass	51	79	110	117	133	138	154	161	169	186	200	262
	Pottery	53	112	125	150	160	167	167	167	175	182	200	267
1870	Cotton textiles	259	89	117	132	141	150	155	168	169	178	194	355
	Woolen textiles	168	75	108	122	136	150	152	160	170	182	200	248
	Tanneries	57	91	134	146	150	158	164	166	169	177	200	260
	Paper	99	83	100	100	114	125	133	161	175	192	200	300
	Saw mills	60	100	100	100	135	150	167	182	200	200	233	300
	Furniture	117	86	100	100	113	117	125	138	150	167	200	250
	Carriages	73	83	111	117	125	150	156	167	171	188	200	220
	Metals	269	52	100	120	133	148	157	167	175	187	200	300
	Glass	51	100	120	125	133	138	154	164	170	189	200	312
	Pottery	53	125	133	150	160	167	167	167	175	182	200	267
1871	Cotton textiles	254	89	120	136	144	150	157	164	172	178	200	563
	Woolen textiles	141	75	100	120	133	149	150	157	167	171	193	229
	Tanneries	52	91	120	125	147	153	164	167	167	175	200	280
	Paper	90	83	100	100	114	120	125	150	172	182	200	300
	Saw mills	60	100	100	100	140	150	167	180	200	200	229	300
	Furniture	117	86	100	111	113	117	125	140	150	167	200	250
	Carriages	73	100	113	120	142	150	156	170	171	188	206	220
	Metals	259	65	100	117	133	148	150	167	175	187	200	340
	Glass	51	100	120	133	133	139	154	164	170	194	208	312
	Pottery	53	100	133	150	150	160	167	167	171	182	200	267

TABLE 51—(CONTINUED).  
*Relative rates of wages of an series in ten industries: by years, 1860-1880.*

Year	Industries	No. of series	Lowest rel. wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. wage
1872	Cotton textiles	254	89	120	137	144	150	160	167	174	181	200	583
	Woolen textiles	141	75	108	120	137	150	150	160	168	171	200	233
	Tanneries	52	91	125	133	147	153	160	167	169	175	200	260
	Paper	100	83	100	100	117	125	133	167	183	200	214	300
	Saw mills	60	100	100	100	118	160	172	182	200	200	233	300
	Furniture	117	86	100	109	113	117	125	138	150	167	200	250
	Carriages	73	100	113	120	142	150	156	167	171	188	206	240
	Metals	262	75	100	120	133	150	157	171	182	192	214	375
	Glass	62	100	120	133	133	139	156	164	171	183	200	269
	Pottery	53	100	133	150	150	160	167	167	171	182	200	267
1873	Cotton textiles	252	89	125	138	146	152	160	169	176	189	206	583
	Woolen textiles	141	57	100	120	133	150	150	160	167	175	200	240
	Tanneries	57	91	125	140	154	158	165	167	169	175	200	260
	Paper	90	83	100	100	111	120	125	152	175	190	211	300
	Saw mills	60	100	100	100	138	157	167	175	200	214	250	333
	Furniture	117	86	100	106	113	117	125	138	150	167	200	250
	Carriages	73	100	111	120	140	150	156	167	171	192	200	241
	Metals	266	75	100	120	133	150	157	170	180	198	214	417
	Glass	62	100	120	133	133	139	155	164	171	182	200	300
	Pottery	53	100	133	150	150	160	167	167	171	182	200	267
1874	Cotton textiles	252	89	123	133	142	149	152	160	171	179	200	563
	Woolen textiles	166	71	108	120	133	146	150	159	167	183	200	313
	Tanneries	53	91	125	142	150	158	159	165	167	171	193	300
	Paper	98	80	100	100	108	125	133	160	172	182	200	300
	Saw mills	60	100	100	103	138	150	160	167	186	200	250	333
	Furniture	117	80	100	100	104	111	120	125	150	159	183	220
	Carriages	72	88	100	111	125	131	150	167	171	183	200	260
	Metals	259	77	100	113	125	136	143	150	160	173	200	417
	Glass	62	100	120	133	133	139	151	160	168	182	200	300
	Pottery	53	100	133	144	150	160	167	167	167	182	200	267

TABLE 51—(CONTINUED).  
*Relative rates of wages of all series in ten industries: by years, 1860-1880.*

Year	Industries	No. of series	Lowest rel. wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. wage
1875	Cotton textiles	252	89	120	130	135	144	150	157	168	177	195	513
	Woolen textiles	164	64	106	120	130	140	150	160	167	183	220	313
	Tanneries	57	91	127	138	144	150	158	160	167	171	185	300
	Paper	90	67	95	100	100	117	125	150	172	186	200	300
	Saw mills	61	100	100	104	125	143	153	164	186	200	225	385
	Furniture	117	80	100	100	100	111	117	125	150	159	183	220
	Carriages	72	86	100	108	125	125	145	167	171	179	188	260
	Metals	265	77	100	110	119	129	140	143	151	167	190	417
	Glass	62	100	120	125	133	138	150	160	167	182	200	300
	Pottery	53	100	133	135	150	160	167	167	167	182	200	267
1876	Cotton textiles	257	79	111	125	133	139	144	150	159	167	187	513
	Woolen textiles	164	64	100	120	125	133	145	151	160	177	218	313
	Tanneries	52	91	120	125	138	148	145	150	158	166	171	300
	Paper	99	67	89	100	110	125	133	157	170	176	200	300
	Saw mills	61	100	100	100	125	140	145	153	175	200	217	385
	Furniture	117	80	96	100	100	111	117	125	140	150	180	208
	Carriages	72	83	100	100	125	125	143	156	171	175	183	240
	Metals	260	67	100	100	114	123	129	138	145	157	180	417
	Glass	62	100	110	125	133	138	150	159	164	178	200	300
	Pottery	53	100	125	133	150	160	167	167	167	182	200	267
1877	Cotton textiles	257	79	106	120	129	133	140	146	154	165	175	475
	Woolen textiles	164	57	100	115	122	130	138	150	157	171	218	313
	Tanneries	52	91	117	124	135	143	146	150	154	154	175	300
	Paper	91	67	83	100	106	120	129	150	168	176	198	300
	Saw mills	61	100	100	100	120	129	143	150	153	195	200	385
	Furniture	117	80	100	100	100	106	113	120	130	150	162	208
	Carriages	68	83	100	100	125	125	136	147	164	171	183	211
	Metals	253	63	99	100	112	120	125	133	143	150	171	417
	Glass	62	100	110	125	133	136	150	158	167	176	200	300
	Pottery	53	100	117	150	159	167	167	167	182	192	200	267

TABLE 51—(CONCLUDED).  
Relative rates of wages of all series in ten industries: by years, 1860-1880.

Year	Industries	No. of series	Lowest rel. wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. wage
1878	Cotton textiles	257	80	100	120	126	132	135	142	150	160	174	475
	Woolen textiles	165	64	100	112	120	125	135	149	156	167	194	313
	Tanneries	51	91	117	125	132	136	143	146	150	154	175	300
	Paper	99	67	93	100	113	120	125	133	149	160	177	300
	Saw mills	61	88	100	100	110	125	140	150	157	171	200	385
	Furniture	117	80	100	100	100	111	113	120	133	150	167	208
	Carriages	72	83	100	108	120	125	137	147	157	167	183	201
	Metals	253	63	99	100	112	120	125	133	143	150	167	417
	Glass	62	100	110	121	133	133	139	154	161	176	200	263
	Pottery	53	100	113	133	150	157	160	167	170	183	200	233
1879	Cotton textiles	257	78	100	115	122	127	131	134	143	153	168	438
	Woolen textiles	165	64	100	109	120	125	133	147	157	170	200	313
	Tanneries	51	82	111	121	125	133	142	145	150	154	171	300
	Paper	94	67	95	100	111	120	125	133	143	160	172	300
	Saw mills	60	80	100	100	114	125	129	150	157	183	200	321
	Furniture	117	80	100	100	109	113	117	125	133	150	167	250
	Carriages	72	100	100	113	125	125	140	150	157	167	180	200
	Metals	255	75	91	100	113	120	125	130	141	150	167	417
	Glass	62	100	112	120	130	133	139	154	161	177	200	263
	Pottery	53	100	113	133	150	157	160	167	170	183	200	233
1880	Cotton textiles	255	75	107	121	128	133	139	145	151	160	175	438
	Woolen textiles	157	64	100	113	125	130	138	150	160	171	200	313
	Tanneries	46	82	100	120	125	131	139	145	148	150	167	300
	Paper	99	78	100	100	117	125	133	147	151	167	192	300
	Saw mills	60	94	100	100	100	127	133	150	163	183	200	321
	Furniture	97	80	100	100	111	114	120	129	150	160	183	250
	Carriages	58	107	120	125	125	141	150	167	171	190	200	220
	Metals	242	74	100	106	120	135	133	143	150	159	180	417
	Glass	62	100	112	125	133	133	150	160	167	178	200	263
	Pottery	53	100	115	133	150	159	160	167	170	183	200	233



TABLE 52.

*Average distribution of wage-series in ten industries from Weeks's Report over the field covered by the fluctuations of relative rates of wages from 1860 to 1880.*

NOTE.—Based upon Table 51. See note upon Table 50.

Average number of points in the scale of relative wages between	Cotton tex- tiles	Woolen tex- tiles	Tan- neries	Paper	Saw- mills	Furni- ture	Car- riages and metallic wagons	Metals and glass goods	Glass	Pot- tery
Lowest rel. wages and 1st dec.	26.6	30.7	23.0	14.0	6.9	10.3	18.3	27.2	18.8	16.4
1st and 2d deciles	11.1	10.0	10.0	2.1	2.0	1.4	6.6	10.5	9.6	12.0
2d and 3d deciles	6.8	8.7	8.4	8.4	22.5	4.3	11.2	10.9	6.6	7.5
3d and 4th deciles	5.1	7.9	5.1	9.7	15.1	6.0	10.3	9.4	3.8	7.6
4th deciles and Medians	4.8	5.5	5.8	7.9	12.6	5.4	9.0	5.6	9.6	5.0
Medians and 6th deciles	5.5	6.7	4.6	14.6	11.2	7.5	10.1	9.9	8.5	2.6
6th and 7th deciles	6.5	7.4	4.0	11.8	9.0	10.5	7.0	8.1	6.1	4.2
7th and 8th deciles	7.8	10.0	6.5	10.8	11.4	12.4	10.8	11.1	13.0	7.4
8th and 9th deciles	13.3	22.3	17.8	13.1	21.6	26.1	12.5	15.7	14.0	12.1
9th dec. and high. rel. wages	187.1	57.3	63.2	75.1	83.2	58.7	29.9	147.8	69.8	55.2
Lowest and high. rel. wages	274.6	166.5	148.4	167.1	195.5	142.7	125.7	256.2	159.8	130.2

But the diversities in detail are quite as striking as the uniformities in general trend. On the whole, furniture shows the lowest range of relative wages, and potteries the highest range—though part of the time tanneries and saw-mills rank above the latter.

*d.—Relative Wages of Groups Based on Initial Wages.*

This classification of the data produces more regular results when applied to the Weeks than when applied to the Aldrich series. In 1863 and 1864 the wage-group "under \$1" shows a lower range of relative wages than the next higher group; but these are practically the only exceptions to the rule that each group has lower relative wages than the group below it, and higher relative wages than the one above it. Once more the relative mobility of wages of low-priced labor and the relative stability of wages of high-priced labor is clearly shown. The contrast comes out most distinctly in the following figures for the medians of the several groups in the years of maximum and (later) minimum wages.

*Medians of Wage-groups.*

	1872	1879	Decline
Under \$1	168	140	28 points
\$1.00-\$1.49	160	127	33 points
\$1.50-\$1.99	150	133	17 points
\$2.00-\$2.49	143	125	18 points
\$2.50 +	125	120	5 points

TABLE 53.  
*Relative rates of wages of all series from Weeks's Report classified according to initial wages: by years, 1860-1880.*

NOTE: See note upon Table 49.

Year	Wage-groups	No. of series	Lowest rel. wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. wage
1860	Under \$1		100	100	100	100	100	100	100	100	100	100	100
	\$1.00-1.49		100	100	100	100	100	100	100	100	100	100	100
	\$1.50-1.99		100	100	100	100	100	100	100	100	100	100	100
	\$2.00-2.49		100	100	100	100	100	100	100	100	100	100	100
	\$2.50 +		100	100	100	100	100	100	100	100	100	100	100
1861	Under \$1	352	66	100	100	100	100	100	100	100	100	109	200
	\$1.00-1.49	452	60	94	100	100	100	100	100	100	100	117	179
	\$1.50-1.99	366	70	98	100	100	100	100	100	100	100	111	156
	\$2.00-2.49	149	64	100	100	100	100	100	100	100	100	100	138
	\$2.50 +	106	63	100	100	100	100	100	100	100	100	113	150
1862	Under \$1	348	69	95	100	100	100	100	100	104	112	130	200
	\$1.00-1.49	446	60	95	100	100	100	100	100	110	120	125	179
	\$1.50-1.99	345	58	100	100	100	100	100	100	108	114	129	180
	\$2.00-2.49	142	71	100	100	100	100	100	100	100	113	125	160
	\$2.50 +	105	73	100	100	100	100	100	100	100	113	125	150
1863	Under \$1	342	72	100	100	100	101	109	115	125	132	151	250
	\$1.00-1.49	454	52	100	100	100	112	117	120	125	136	150	250
	\$1.50-1.99	367	58	100	100	100	106	114	117	129	138	150	183
	\$2.00-2.49	150	75	100	100	100	103	110	113	120	125	129	250
	\$2.50 +	106	65	100	100	100	100	100	107	117	125	150	200
1864	Under \$1	357	81	100	106	111	120	126	133	145	160	175	260
	\$1.00-1.49	455	88	100	107	119	122	127	140	150	162	180	250
	\$1.50-1.99	360	70	100	100	114	117	131	133	150	167	172	244
	\$2.00-2.49	148	75	100	100	111	113	120	125	135	140	150	250
	\$2.50 +	107	75	100	100	100	100	100	117	120	136	167	200

TABLE 53—(CONTINUED).  
*Relative rates of wages of all series from Weeks's Report classified according to initial wages: by years, 1860-1880.*

Year	Wage-groups	No. of series	Lowest rel. wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. wage
1865	Under \$1	358	82	108	120	129	136	147	158	167	178	200	300
	\$1.00-1.49	454	78	107	120	125	135	148	156	161	175	200	296
	\$1.50-1.99	362	80	100	111	117	129	138	150	167	171	200	292
	\$2.00-2.49	147	88	100	111	113	125	125	132	142	150	175	266
	\$2.50 +	107	75	100	100	100	104	113	120	130	150	188	284
1866	Under \$1	342	82	121	133	147	155	161	167	179	187	200	400
	\$1.00-1.49	451	85	115	125	138	146	150	160	173	183	200	315
	\$1.50-1.99	361	80	100	114	120	133	143	153	167	180	200	301
	\$2.00-2.49	147	88	100	111	121	125	125	138	150	150	178	333
	\$2.50 +	105	75	100	100	100	110	120	127	140	158	196	284
1867	Under \$1	342	82	125	138	150	160	167	178	181	192	200	400
	\$1.00-1.49	451	90	116	125	140	150	152	163	175	188	205	300
	\$1.50-1.99	359	83	100	114	120	133	143	155	167	180	200	300
	\$2.00-2.49	146	88	100	112	121	125	133	138	150	154	188	266
	\$2.50 +	106	75	100	100	100	111	120	125	143	150	188	284
1868	Under \$1	343	82	122	138	149	159	164	171	179	188	200	400
	\$1.00-1.49	448	88	115	125	140	150	153	162	175	185	201	296
	\$1.50-1.99	356	83	100	114	120	133	150	157	167	178	200	308
	\$2.00-2.49	146	89	100	112	125	125	138	148	150	154	184	250
	\$2.50 +	106	75	100	100	100	117	120	130	143	150	200	284
1869	Under \$1	347	82	123	138	150	160	167	171	181	190	200	534
	\$1.00-1.49	449	66	117	125	140	150	157	166	175	187	200	300
	\$1.50-1.99	363	83	100	114	122	136	150	157	167	178	200	308
	\$2.00-2.49	148	89	100	112	125	129	138	150	150	163	188	250
	\$2.50 +	106	75	100	100	100	117	120	127	138	150	200	284

TABLE 53—(CONTINUED).  
*Relative rates of wages of all series from Weeks's Report classified according to initial wages: by years, 1860-1880.*

Year	Wage groups	No. of series	Lowest rel. wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. wage
1870	Under \$1	350	80	125	145	154	161	167	172	182	195	205	534
	\$1.00-1.49	443	75	120	125	140	150	159	167	175	188	208	312
	\$1.50-1.99	361	83	100	114	128	139	150	167	169	183	200	300
	\$2.00-2.49	148	75	100	112	125	125	144	150	150	170	200	300
	\$2.50 +	106	52	100	100	100	117	125	133	143	160	200	284
1871	Under \$1	321	80	129	146	154	161	167	172	181	194	208	563
	\$1.00-1.49	430	77	110	125	140	150	157	167	175	187	208	340
	\$1.50-1.99	353	83	100	117	128	139	150	158	169	183	200	300
	\$2.00-2.49	144	75	100	113	125	130	138	150	150	167	188	300
	\$2.50 +	104	65	100	100	100	117	125	133	145	158	200	284
1872	Under \$1	330	80	131	148	157	164	168	176	187	200	214	563
	\$1.00-1.49	440	75	111	125	140	150	160	170	179	192	217	875
	\$1.50-1.99	357	83	100	117	129	143	150	167	171	183	200	300
	\$2.00-2.49	144	75	100	113	125	125	143	150	150	171	200	300
	\$2.50 +	105	78	100	100	107	117	125	133	145	160	200	284
1873	Under \$1	334	80	130	147	158	163	167	176	187	200	220	563
	\$1.00-1.49	433	57	109	125	140	150	160	168	175	192	210	860
	\$1.50-1.99	357	83	100	117	130	143	150	167	169	183	200	338
	\$2.00-2.49	144	75	100	113	125	125	138	150	150	169	200	300
	\$2.50 +	105	78	100	100	107	117	125	133	145	157	200	417
1874	Under \$1	343	80	125	137	150	156	162	167	176	192	213	563
	\$1.00-1.49	441	71	100	122	133	145	150	160	171	180	200	360
	\$1.50-1.99	357	83	100	112	122	133	143	152	167	174	200	333
	\$2.00-2.49	146	75	100	100	113	125	125	138	150	167	200	300
	\$2.50 +	107	67	92	100	100	117	125	133	145	157	200	417



TABLE 54.

*Average distribution of wage-series from Weeks's Report belonging to five wage-groups over the field covered by the fluctuations of relative rates of wages from 1860 to 1880.*

NOTE.—Based upon Table 53. See note upon Table 50.

Average number of points in the scale of relative wages between	Daily wages in 1860				
	Less than \$1.00	\$1.00- 1.49	\$1.50- 1.99	\$2.00- 2.49	\$2.50 & over
Lowest relative wages and 1st deciles	35.2	33.8	24.2	20.5	26.5
1st and 2d deciles	11.0	11.0	8.1	6.2	2.7
2d and 3d deciles	7.8	9.2	8.3	8.6	0.7
3d and 4th deciles	5.9	7.1	9.3	4.0	9.0
4th deciles and Medians	5.8	6.0	8.4	7.1	7.0
Medians and 6th deciles	6.0	7.7	8.5	6.2	8.2
6th and 7th deciles	8.5	8.8	9.2	6.8	9.2
7th and 8th deciles	10.2	10.4	10.0	10.5	12.3
8th and 9th deciles	17.3	17.3	16.2	22.8	35.9
9th deciles and highest relative wages	225.8	126.7	83.4	93.5	122.9
Lowest and highest relative wages	833.5	238.0	185.6	186.2	284.3

*e.—Relative Wages in Eastern and Western States.*

The dividing line between east and west for purposes of this comparison is the eastern boundary of Ohio. All but one of the establishments for which the *Aldrich Report* gives data—an Ohio gas plant with 7 series—lie east of this line; but almost two-fifths of the census establishments lie west of it. There are therefore sufficient data to study the sectional differences in wage-fluctuations.

Table 55 presents Weeks's series in form for such study. It shows that, beginning as early as 1861, relative wages in the west were somewhat higher than in the east. The difference in favor of the west became very marked in 1863, 1864 and 1865. During the next four years, however, wages rose more rapidly in the east, and in 1870 that section took the lead and held it until 1879. During 1876 and 1877 the difference between the medians in favor of the east was 10 points, while in 1864 it had been 22 points in favor of the west. Between 1879 and 1880 wages advanced more rapidly in the west, so that while the lower deciles and the median in the final year are higher in the east, the 6th, 7th, 8th, and 9th deciles are higher in the west.

TABLE 55.

*Relative rates of wages of all series from Weeks's Report classified according to geographical location of establishments: by years, 1860-1880.*

NOTE.—See note upon Table 49.

Year	Geograph- ical Section	No. of Series	Lowest relative wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest relative wage
1860	East		100	100	100	100	100	100	100	100	100	100	100
	West		100	100	100	100	100	100	100	100	100	100	100
1861	East	957	66	97	100	100	100	100	100	100	100	106	179
	West	468	60	100	100	100	100	100	100	100	108	120	200
1862	East	960	58	96	100	100	100	100	100	100	110	117	200
	West	426	60	100	100	100	100	100	100	100	110	117	200
1863	East	944	52	100	100	100	100	107	113	117	125	136	201
	West	475	75	100	100	113	120	125	127	135	150	167	250
1864	East	967	70	100	100	109	115	121	129	137	150	167	250
	West	460	75	100	105	120	127	143	150	163	172	200	260
1865	East	967	75	100	114	120	127	133	143	153	167	182	299
	West	461	88	100	114	125	139	150	160	175	194	200	300
1866	East	953	75	100	120	130	139	150	156	167	177	200	400
	West	453	77	100	117	125	140	150	167	179	197	207	301
1867	East	914	75	100	120	133	142	150	160	167	181	200	400
	West	460	77	100	117	125	140	150	166	175	200	203	333
1868	East	916	75	100	122	133	143	150	160	169	181	200	400
	West	453	77	100	114	125	138	150	162	174	183	200	333
1869	East	915	66	100	123	136	146	150	162	171	183	200	534
	West	468	77	100	117	125	133	150	165	175	187	200	317

TABLE 55—(CONCLUDED).  
*Relative rates of wages of all series from Weeks's Report classified according to geographical location of establishments: by years, 1860-1880.*

Year	Geographical Section	No. of Series	Lowest relative wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest relative wage
1870	East	944	52	110	125	139	150	157	167	174	188	200	534
	West	464	75	100	117	125	140	150	164	172	185	200	317
1871	East	886	65	106	125	139	150	156	167	173	188	200	563
	West	466	75	100	117	125	143	150	160	167	182	200	300
1872	East	908	75	108	127	141	150	159	168	176	192	206	563
	West	468	75	100	115	125	143	150	160	171	182	200	300
1873	East	907	75	108	126	140	150	159	167	176	192	208	563
	West	466	57	100	118	122	138	150	160	167	181	200	417
1874	East	929	75	100	125	133	143	150	160	171	181	200	563
	West	465	67	100	104	120	125	144	156	167	175	200	417
1875	East	930	67	100	121	131	139	149	156	167	177	200	513
	West	461	64	100	100	114	125	141	150	167	174	200	417
1876	East	930	67	100	117	125	133	143	150	160	171	195	513
	West	462	64	100	100	113	125	133	150	157	167	190	417
1877	East	917	63	100	113	123	129	135	145	156	167	188	475
	West	458	57	100	100	111	120	125	141	150	167	187	417
1878	East	925	63	100	111	120	126	133	141	150	162	180	475
	West	467	64	100	100	112	120	125	140	150	163	182	417
1879	East	922	67	100	108	120	125	131	138	150	160	180	438
	West	466	64	100	106	115	122	127	140	150	160	183	417
1880	East	912	74	100	115	125	131	138	147	154	167	190	438
	West	414	64	100	109	120	125	135	150	160	174	200	417



TABLE 56.

*Average distribution of wage-series for Eastern and Western States over the field covered by the fluctuations of relative rates of wages from 1860 to 1880.*

NOTE.—Based upon Table 55. See note upon Table 50.

Average number of points in the scale of relative wages between	All Series	Eastern States	Western States
Lowest relative wages and 1st deciles	33.3	31.9	28.9
1st and 2d deciles	12.2	13.7	7.9
2d and 3d deciles	9.2	8.8	9.3
3d and 4th deciles	8.8	6.7	9.7
4th deciles and Medians	6.3	6.3	8.8
Medians and 6th deciles	8.5	7.5	11.1
6th and 7th deciles	8.4	7.6	9.2
7th and 8th deciles	10.5	11.0	12.0
8th and 9th deciles	17.6	16.0	16.5
9th deciles and highest relative wages	232.0	230.7	141.6
Lowest and highest relative wages	346.8	340.2	255.0

A glance back at Table 48 shows that there is a wide difference between the industries of the east and of the west as represented by our series. It is therefore possible that the higher western figures during the war, and the lower western figures after the war, may be due simply to a divergent course of wages in different industries. To test this supposition, I have computed deciles for eastern and western establishments in the four industries which are most evenly divided in our material between the two sections—furniture, woolen textiles, carriages and wagons, and machinery—(See Table 57). Furniture shows higher relative wages in the east even during the war; later the differences become much wider than in the table for all industries. Woolen textiles shows the west leading in 1863 and 1864; and the east leading uniformly from 1865 to 1880. Again the differences in favor of the east are wider than in the general table. In carriages and wagons the west has distinctly higher rates from 1862 to 1866; then gradually falls far behind, but regains the lead by a narrow margin in 1880. Finally, machine shops show higher western rates in 1862 to 1864, substantial equality in 1865 and 1866, then higher eastern rates to 1880. Confining the comparison to series for identical industries thus serves to make the differences between the eastern and western wage-movements appear

TABLE 57.  
*Relative rates of wages in four industries in Eastern and Western States: by years, 1860-1880.*  
*Data obtained from Weeks's Report.*

NOTE.—See note upon Table 49.

1.— <i>Manufacture of furniture.</i>														
Year	Geograph- ical Section	No. of Series	Lowest relative wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest relative wage	
1860	East		100	100	100	100	100	100	100	100	100	100	100	
	West		100	100	100	100	100	100	100	100	100	100	100	
1861	East	50	75	100	100	100	100	100	100	100	100	100	113	
	West	67	100	100	100	100	100	100	100	100	100	100	125	
1862	East	50	100	100	100	100	100	100	100	104	113	120	143	
	West	57	100	100	100	100	100	100	100	100	113	125	150	
1863	East	50	100	100	100	100	111	113	120	123	125	129	172	
	West	67	100	100	100	100	100	113	113	117	120	148	250	
1864	East	50	100	111	113	117	120	125	125	143	150	167	229	
	West	67	100	100	100	100	100	100	113	117	125	150	250	
1865	East	50	100	113	117	120	125	125	139	150	150	189	286	
	West	67	100	100	100	100	100	100	117	117	125	183	250	
1866	East	50	100	113	120	125	125	133	143	150	160	200	315	
	West	67	100	100	100	100	100	100	117	120	150	183	250	
1867	East	50	100	117	120	125	129	138	143	150	160	212	300	
	West	67	100	100	100	100	106	114	117	120	150	200	250	
1868	East	50	100	117	125	131	138	143	150	150	160	214	286	
	West	67	100	100	100	100	106	114	117	120	150	200	250	
1869	East	50	100	117	125	126	140	143	150	150	160	200	250	
	West	67	100	100	100	100	110	117	117	125	150	200	250	

TABLE 57—(CONTINUED).  
*Relative rates of wages in four industries in Eastern and Western States: by years, 1860-1880.*

Year	Geograph- ical Section	No. of Series	Lowest relative wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest relative wage
1870	East	50	100	113	117	125	138	143	150	150	167	200	250
	West	67	86	100	100	100	104	114	117	125	160	200	250
1871	East	50	100	113	117	125	138	143	150	150	167	200	250
	West	67	86	100	100	109	111	117	117	125	160	200	250
1872	East	50	100	111	117	125	138	143	150	150	167	200	237
	West	67	86	100	100	109	111	117	117	125	160	196	250
1873	East	50	90	111	117	125	138	143	150	150	167	300	217
	West	67	86	100	100	106	111	114	117	125	160	183	250
1874	East	50	90	100	114	120	125	140	150	150	160	200	214
	West	67	80	92	100	100	100	106	111	120	158	179	220
1875	East	50	90	100	113	120	125	133	150	150	167	200	208
	West	67	80	90	100	100	100	100	111	117	150	175	220
1876	East	50	90	100	113	120	125	130	143	150	160	300	208
	West	67	80	89	100	100	100	100	111	113	140	160	200
1877	East	50	90	100	104	113	120	130	143	150	157	183	308
	West	67	80	92	100	100	100	104	111	113	120	150	300
1878	East	50	90	100	108	113	125	130	150	150	160	171	208
	West	67	80	94	100	100	100	106	111	117	125	150	200
1879	East	50	90	100	108	114	125	125	150	150	160	200	208
	West	67	80	100	100	100	111	113	117	120	133	159	250
1880	East	50	90	100	111	117	125	140	150	157	167	200	217
	West	47	80	94	100	104	111	113	117	117	140	175	250

TABLE 57—(CONTINUED).

*Relative rates of wages in four industries in Eastern and Western States: by years, 1860-1880.**2.—Manufacture of woolen textiles.*

Year	Geograph- ical Section	No. of Series	Lowest relative wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest relative wage
1860	East		100	100	100	100	100	100	100	100	100	100	100
	West		100	100	100	100	100	100	100	100	100	100	100
1861	East	118	79	100	100	100	100	100	100	100	100	105	123
	West	52	80	100	100	100	100	100	100	100	111	120	133
1862	East	118	79	100	100	100	100	100	100	102	106	113	133
	West	52	80	100	100	100	100	100	120	120	125	133	160
1863	East	118	65	100	100	100	105	108	113	114	117	126	150
	West	52	100	100	100	100	100	120	120	125	129	133	160
1864	East	118	80	100	100	102	114	120	129	136	143	151	177
	West	52	100	100	111	120	120	125	133	150	152	160	200
1865	East	118	82	120	128	133	140	145	150	157	169	182	230
	West	52	100	100	100	120	120	125	143	150	183	200	220
1866	East	118	82	120	133	140	145	150	157	167	177	200	230
	West	52	100	100	100	120	120	125	150	160	179	200	220
1867	East	118	82	120	133	140	145	149	150	158	175	188	230
	West	52	100	107	120	120	120	125	150	151	170	200	213
1868	East	118	82	120	135	142	147	150	156	167	173	189	230
	West	52	100	100	100	120	120	125	150	151	160	175	227
1869	East	117	82	124	135	143	149	150	164	170	182	200	230
	West	52	100	100	120	120	120	125	150	150	160	167	227

TABLE 57—(CONTINUED).

*Relative rates of wages in four industries in Eastern and Western States: by years, 1860-1880.*

Year	Geograph- ical Section	No. of Series	Lowest relative wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest relative wage
1870	East	117	99	122	138	150	152	160	170	175	188	200	243
	West	51	75	100	100	120	120	125	150	151	160	167	228
1871	East	90	99	128	138	149	150	156	164	170	172	195	229
	West	51	75	100	100	120	120	125	150	150	160	167	220
1872	East	90	100	129	140	150	150	160	168	170	182	200	229
	West	51	75	100	100	120	120	125	150	157	163	180	233
1873	East	90	88	125	139	150	150	157	163	171	177	200	229
	West	51	57	100	100	110	120	122	138	151	160	180	240
1874	East	115	75	125	133	146	150	157	164	175	192	200	313
	West	51	71	100	100	116	120	122	133	150	160	200	220
1875	East	113	100	120	133	140	150	158	164	171	188	200	313
	West	51	64	100	100	116	120	122	133	150	163	200	220
1876	East	113	88	114	125	134	143	150	157	169	183	200	313
	West	51	64	100	100	108	120	122	133	150	157	192	218
1877	East	113	80	112	119	130	135	148	153	160	178	200	313
	West	51	57	100	100	108	120	122	133	150	160	180	218
1878	East	114	80	110	117	125	133	140	153	160	178	200	313
	West	51	64	100	100	108	120	130	125	138	160	171	200
1879	East	114	82	105	117	125	133	139	150	162	175	200	313
	West	51	64	100	100	108	120	122	125	138	160	171	200
1880	East	114	82	112	120	127	136	148	153	163	175	200	313
	West	43	64	89	100	100	120	120	133	150	168	183	220

TABLE 57—(CONTINUED).  
*Relative rates of wages in four industries in Eastern and Western States: by years, 1860-1880.*

3.—*Manufacture of carriages and wagons.*

Year	Geograph- ical Section	No. of Series	Lowest relative wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest relative wage
1860	East		100	100	100	100	100	100	100	100	100	100	100
	West		100	100	100	100	100	100	100	100	100	100	100
1861	East	31	83	100	100	100	100	100	100	109	113	117	160
	West	42	64	100	100	100	100	100	100	100	110	120	132
1862	East	31	83	100	100	100	111	114	114	114	117	120	160
	West	42	71	78	100	100	110	120	125	125	132	149	160
1863	East	31	83	108	111	116	117	120	132	143	143	150	167
	West	42	75	86	100	100	120	125	125	133	150	167	200
1864	East	31	83	109	115	117	120	132	142	160	171	171	200
	West	42	75	88	100	117	138	150	150	164	171	183	220
1865	East	31	83	109	116	120	120	132	142	160	171	171	200
	West	42	88	100	125	149	150	150	150	167	183	200	220
1866	East	31	83	109	117	120	140	150	160	171	171	188	206
	West	42	88	100	125	149	150	150	167	180	188	215	220
1867	East	31	83	109	117	120	140	160	171	171	171	188	206
	West	42	88	111	125	150	150	150	167	183	200	200	220
1868	East	31	83	109	117	120	140	160	171	171	174	188	206
	West	42	100	113	125	150	150	150	175	182	197	220	220
1869	East	31	83	109	117	120	140	160	171	171	181	193	206
	West	42	100	113	125	150	150	150	170	175	197	220	220

TABLE 57—(CONTINUED).  
*Relative rates of wages in four industries in Eastern and Western States: by years, 1860-1880.*

Year	Geograph- ical Section	No. of Series	Lowest relative wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest relative wage
1870	East	31	83	113	117	120	140	160	171	171	174	188	206
	West	42	100	111	125	150	150	150	167	180	200	220	220
1871	East	31	108	120	120	140	150	160	171	171	181	200	210
	West	42	100	111	125	150	150	150	167	172	200	220	220
1872	East	31	108	120	120	140	150	157	171	171	179	200	210
	West	42	100	111	125	150	150	150	164	172	200	220	240
1873	East	31	100	113	120	131	145	160	171	171	188	200	210
	West	42	100	111	125	150	150	150	164	171	200	200	241
1874	East	31	100	113	120	131	145	160	171	171	188	200	210
	West	41	88	100	100	125	125	143	156	175	200	200	260
1875	East	31	100	113	120	131	143	160	171	171	188	200	210
	West	41	86	100	100	125	125	143	150	167	175	180	260
1876	East	31	100	108	120	131	142	150	171	171	174	188	200
	West	41	83	89	100	125	125	125	150	157	175	180	240
1877	East	31	100	108	117	125	140	147	171	171	171	190	200
	West	37	83	88	100	100	125	125	136	150	150	175	211
1878	East	31	100	108	117	120	137	143	150	157	160	183	190
	West	41	83	89	100	125	125	125	143	150	167	180	201
1879	East	31	100	108	117	120	137	143	147	157	160	179	190
	West	41	100	100	113	125	125	133	150	155	167	180	200
1880	East	30	108	117	120	125	139	147	171	171	175	190	200
	West	28	107	125	125	143	143	150	164	182	200	200	220

TABLE 57—(CONTINUED).

*Relative rates of wages in four industries in Eastern and Western States: by years, 1860-1880.**4.—Manufacture of machinery.*

Year	Geograph- ical Section	No. of Series	Lowest relative wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest relative wage
1860	East		100	100	100	100	100	100	100	100	100	100	100
	West		100	100	100	100	100	100	100	100	100	100	100
1861	East	40	91	95	100	100	100	100	100	109	120	134	179
	West	58	83	90	100	100	100	100	100	109	114	125	130
1862	East	40	84	95	98	100	100	100	100	109	140	150	179
	West	58	94	100	100	100	100	107	112	125	125	139	150
1863	East	40	93	100	100	113	117	117	131	140	150	160	200
	West	58	100	108	114	120	125	125	125	133	140	143	183
1864	East	40	100	100	117	125	131	139	158	167	167	180	200
	West	58	100	114	125	133	143	143	157	171	176	200	244
1865	East	40	100	100	133	136	150	162	167	179	180	200	238
	West	58	100	117	125	143	146	160	171	186	194	200	250
1866	East	40	100	114	133	150	167	167	176	180	188	201	383
	West	58	100	117	125	140	143	150	180	185	200	219	250
1867	East	40	100	114	150	154	167	178	183	200	200	200	223
	West	58	100	117	125	143	148	158	167	180	200	203	248
1868	East	40	100	114	149	150	167	175	179	183	200	200	223
	West	58	100	112	125	138	146	150	171	175	182	187	264
1869	East	40	90	100	133	150	167	167	176	182	187	191	214
	West	58	98	108	125	138	146	150	171	175	183	187	264



TABLE 57—(CONCLUDED).

*Relative rates of wages in four industries in Eastern and Western States: by years, 1860-1880.*

Year	Geograph- ical Section	No. of Series	Lowest relative wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest relative wage
1870	East	39	80	107	133	150	167	173	176	181	190	200	214
	West	50	100	125	143	148	150	170	175	180	187	195	264
1871	East	26	90	150	167	171	180	183	188	195	200	223	340
	West	58	98	120	133	143	150	150	160	175	187	195	264
1872	East	26	100	150	171	173	183	187	190	200	200	223	340
	West	58	98	120	133	143	150	150	160	175	187	197	264
1873	East	30	100	136	154	173	175	187	200	200	209	227	360
	West	58	98	120	133	143	150	150	167	175	183	187	264
1874	East	26	100	122	143	150	173	175	183	200	213	259	360
	West	58	89	104	125	133	140	145	156	169	171	188	264
1875	East	29	100	117	149	150	157	175	181	195	213	259	360
	West	58	89	100	113	125	138	143	150	157	169	175	220
1876	East	29	90	114	136	146	167	169	180	200	213	250	360
	West	58	89	100	113	114	125	140	150	150	157	170	219
1877	East	26	90	114	135	140	154	167	175	183	213	250	360
	West	58	100	100	113	120	125	131	145	150	156	157	219
1878	East	26	90	126	136	143	150	154	173	183	200	241	360
	West	58	100	100	113	120	125	129	137	143	150	160	219
1879	East	26	90	123	136	143	150	153	173	183	200	241	360
	West	58	100	104	114	122	125	133	137	141	145	157	219
1880	East	35	100	125	137	150	159	167	180	192	200	233	385
	West	52	100	111	122	125	138	143	150	156	157	171	234

greater in degree. The evidence is so emphatic and so uniform as to leave little doubt that relative wages advanced more rapidly in the west during the war, were overtaken between 1865 and 1868 by the advance in the east, and fell far behind during the years of depression after the crisis of 1873.

*III.—Comparison between the Tables of Relative Wages based on Data from the Aldrich Report and the Weeks Report.*

Between the tables derived from the material of the *Aldrich Report* and the tables derived from the material of the *Weeks Report* there exist ostensible discrepancies so wide as to shake confidence in the trustworthiness of both sets of results. For example, the medians for 1871 in the two tables which include all the series from both sources are separated by an interval of more than 30 points. But the discrepancies between the simple and weighted arithmetic means of the Aldrich series (Table 46), and the discrepancies between the medians of Weeks's series for eastern and western states (Table 55), suggest that the divergencies of the two sets of results are due mainly to formal differences in the character of the data from which they are derived: namely, the presence in one case and absence in the other (1) of information about numbers employed and (2) of series from states west of Pennsylvania. To make a just comparison between the two sets of results, it is necessary to eliminate the influence of numbers employed from the averages for the Aldrich data, and to omit the western series from the averages for Weeks's data.

This result has been accomplished by computing deciles for the Aldrich series without regard to the number of wage-earners whom they represent, and by comparing the results with deciles for Weeks's series from eastern states. Table 58, in which the resulting figures are placed side by side, shows a great reduction of the discrepancies which exist between Tables 33 and 49. For example, the interval between the medians for 1871 is cut down from 33 points for January and 40 points for July to 7 and 8 points respectively. The maximum differences between the medians are now found in 1874 and amount to 12 and 13 points. But every year after wages had begun to rise, except 1880, the

TABLE 38.  
*Relative rates of wages of all series from the Aldrich Report and of all series for Eastern States from Hoke's Report: 1860-1884.*

NOTE.—The series from the Aldrich Report are taken without reference to the number of persons whose rates of wages they represent. See note upon Table 40, and p. 503.

Year	Month	Source	No. of Series	Lowest Relative Wage	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
1860	Jan.	Aldrich	400	100	100	100	100	100	100	100	100	100	100	100
	July	Aldrich	400	11	00	100	100	100	100	100	100	100	100	100
		Census	100	100	100	100	100	100	100	100	100	100	100	100
1861	Jan.	Aldrich	483	70	01	00	100	100	100	100	100	100	100	100
	July	Aldrich	403	00	80	00	100	100	100	100	100	100	100	100
		Census	057	00	07	100	100	100	100	100	100	100	100	100
1862	Jan.	Aldrich	404	00	00	00	100	100	100	100	100	100	100	000
	July	Aldrich	500	00	07	00	100	100	100	100	100	100	100	000
		Census	000	58	00	100	100	100	100	100	100	100	100	000
1863	Jan.	Aldrich	405	54	04	100	100	100	107	111	114	120	100	000
	July	Aldrich	485	45	07	100	100	107	111	114	120	100	100	000
		Census	044	55	100	100	100	100	107	110	117	120	100	001
1864	Jan.	Aldrich	402	73	100	100	111	110	120	120	100	100	100	000
	July	Aldrich	515	00	102	110	120	120	120	100	100	100	100	000
		Census	007	70	100	100	100	110	121	120	100	100	100	000
1865	Jan.	Aldrich	512	03	100	110	127	105	140	150	150	100	100	000
	July	Aldrich	511	07	113	120	102	100	140	150	150	100	100	000
		Census	007	75	100	114	120	127	100	140	150	100	100	000
1866	Jan.	Aldrich	513	77	117	127	100	100	150	150	100	100	100	000
	July	Aldrich	500	73	110	101	141	100	154	160	100	100	100	000
		Census	053	75	100	120	100	100	150	150	100	100	100	000

TABLE 58—(CONTINUED).  
*Relative rates of wages of all series from the Aldrich Report and of all series for Eastern States from Weeks's Report: 1860-1880.*

Year	Month	Source	No. of Series	Lowest Relative Wage	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
1867	Jan. July	Aldrich Aldrich Census	504 507 944	63 74 75	120 120 100	133 134 120	143 145 133	150 150 142	156 158 150	163 164 160	171 175 167	180 183 181	195 200 200	302 280 400
1868	Jan. July	Aldrich Aldrich Census	499 506 946	73 80 75	120 120 100	133 133 122	143 144 133	150 150 143	158 158 150	163 166 160	170 174 169	180 184 181	200 200 200	280 280 400
1869	Jan. July	Aldrich Aldrich Census	505 509 945	63 63 66	120 120 100	133 134 123	146 147 136	152 154 146	160 161 150	167 170 162	175 177 171	184 188 183	203 206 200	280 325 534
1870	Jan. July	Aldrich Aldrich Census	510 514 944	77 75 52	118 118 110	133 133 125	144 145 139	153 153 150	162 162 157	170 170 167	178 178 174	187 186 188	204 206 200	325 325 534
1871	Jan. July	Aldrich Aldrich Census	508 507 886	71 78 65	119 120 106	133 136 125	148 149 139	156 158 150	163 164 156	171 173 167	178 179 173	189 192 188	203 203 200	325 301 563
1872	Jan. July	Aldrich Aldrich Census	511 504 908	73 80 75	120 121 108	136 137 127	150 150 141	158 159 150	165 167 159	174 175 168	182 184 176	200 200 192	212 213 206	307 307 563
1873	Jan. July	Aldrich Aldrich Census	503 509 907	80 74 75	121 122 108	138 138 126	150 150 140	158 159 150	165 167 159	173 175 167	181 188 176	197 200 192	210 213 208	304 304 568

TABLE 58—(CONCLUDED).  
*Relative rates of wages of all series from the Aldrich Report and of all series for Eastern States from Weeks's Report: 1860-1880.*

Year	Month	Source	No. of Series	Lowest Relative Wage	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
1874	Jan. July	Aldrich Aldrich Census	503 503 929	51 51 75	117 120 100	133 135 125	145 146 133	154 156 143	162 163 150	171 171 160	179 179 171	191 192 181	204 206 200	300 336 563
1875	Jan. July	Aldrich Aldrich Census	496 500 930	57 57 67	117 115 100	131 130 121	142 141 131	150 150 139	158 157 149	165 163 156	175 174 167	184 182 177	200 200 200	297 329 513
1876	Jan. July	Aldrich Aldrich Census	490 499 930	57 57 67	109 108 100	125 124 117	136 138 125	145 140 133	150 150 143	160 158 150	167 165 160	179 175 171	200 195 195	403 286 513
1877	Jan. July	Aldrich Aldrich Census	492 501 917	56 56 63	106 103 100	120 120 113	127 128 123	136 136 129	143 143 135	150 150 145	160 160 156	169 170 167	182 186 188	270 267 475
1878	Jan. July	Aldrich Aldrich Census	495 497 925	57 57 63	105 104 100	117 117 111	126 125 120	135 133 126	141 140 133	149 147 141	159 156 150	169 167 162	184 184 180	267 283 475
1879	Jan. July	Aldrich Aldrich Census	500 503 922	47 47 67	103 103 100	116 115 108	125 125 120	130 130 125	136 134 131	143 140 138	151 150 150	164 162 160	183 181 180	261 269 438
1880	Jan. July	Aldrich Aldrich Census	506 507 912	52 57 74	105 108 100	118 120 115	125 127 125	130 133 131	136 140 138	143 148 147	153 156 154	165 167 167	185 188 190	254 311 438

TABLE 59.

*Average distribution of all wage-series from the Aldrich Report and of all wage-series for Eastern States from Weeks's Report over the field covered by the fluctuations of relative rates of wages from 1860 to 1880.*

NOTE.—Based upon Table 58.

Average number of points in the scale of relative wages between	Census Series for Eastern States	Aldrich series
Lowest relative wages and 1st deciles	31.9	45.6
1st and 2d deciles	13.7	12.0
2d and 3d deciles	8.8	8.7
3d and 4th deciles	6.7	6.2
4th deciles and Medians	6.3	5.8
Medians and 6th deciles	7.5	6.3
6th and 7th deciles	7.6	7.2
7th and 8th deciles	11.0	9.5
8th and 9th deciles	16.0	14.4
9th deciles and highest relative wages	230.7	95.9
Lowest and highest relative wages	340.2	211.6

Aldrich medians stand somewhat higher than the Weeks medians in January or July, or both. The general agreement between the deciles other than the median is on the whole surprisingly close, except in the case of the first decile, which from 1865 to 1875 is considerably lower in the case of Weeks's series than in the case of the Aldrich series.

It still remains to inquire whether part of these remaining differences may not be due to the fact that the industries represented by the two sets of data are materially different. Among the 21 industries nominally included in the Aldrich data and the 30 industries nominally included in Weeks's data, there are only three which are well represented in both sets. And of these three—cotton textiles, woolen textiles, and metals and metallic goods—the last is rather doubtful because of the uncertainty about the kind of metallic goods meant. The next table makes a comparison between deciles for these three industries. The Aldrich series are again taken without reference to number of employees, and Weeks's series are confined to the eastern states.<sup>12</sup> In the cotton

<sup>12</sup> Since there are only 4 western series for cotton textiles out of a total of 261 series, I have not thought it necessary to compute a new set of deciles for the eastern states only.

TABLE 60.  
*Relative rates of wages in three industries according to data obtained from the Aldrich Report and from Weeks's Report: 1860-1880.*

NOTE.—Series from the Aldrich Report are taken without reference to the number of persons whose pay they represent. Series from Weeks's Report are for Eastern States only. See note upon Table 49.

1.— <i>Manufacture of cotton textiles.</i>															
Year	Month	Source	No. of Series	Lowest		1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
				Relative Wage	Decile										
1860	Jan. July	Aldrich	134	100	100	100	100	100	100	100	100	100	100	100	100
		Aldrich		89	100	100	100	100	100	100	100	101	103	119	
		Census		100	100	100	100	100	100	100	100	100	100	100	100
1861	Jan. July	Aldrich	135	70	83	91	98	100	100	100	100	102	106	111	130
		Aldrich		70	83	92	99	100	100	100	101	104	107	113	134
		Census		66	94	100	100	100	100	100	100	100	100	104	134
1862	Jan. July	Aldrich	132	69	83	88	98	100	100	100	102	106	111	114	140
		Aldrich		71	82	86	96	100	100	100	103	106	111	117	145
		Census		58	87	95	100	100	100	100	100	100	100	107	145
1863	Jan. July	Aldrich	128	54	92	99	100	100	100	103	107	111	114	121	151
		Aldrich		55	95	100	100	100	100	105	107	111	114	121	158
		Census		58	90	100	100	100	100	100	100	103	110	117	141
1864	Jan. July	Aldrich	132	78	98	100	106	111	114	119	125	133	150	197	197
		Aldrich		88	100	106	113	119	122	127	132	146	159	197	197
		Census		257	81	100	100	105	108	112	117	120	129	140	178
1865	Jan. July	Aldrich	131	63	100	110	117	122	129	133	143	150	164	204	204
		Aldrich		88	110	117	125	130	133	140	149	159	172	201	201
		Census		258	89	100	111	117	124	129	133	142	150	167	266
1866	Jan. July	Aldrich	135	77	117	125	134	144	150	158	165	175	187	242	242
		Aldrich		134	100	118	129	139	150	165	163	168	181	189	242
		Census		259	89	115	125	133	140	149	155	163	175	184	266

TABLE 60—(CONTINUED).  
*Relative rates of wages in three industries according to data obtained from the Aldrich Report and from Weeks's Report: 1860-1880.*

Year	Month	Source	No. of Series	Lowest Relative Wage	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
1867	Jan. July	Aldrich	135	87	120	133	143	150	160	164	173	182	194	229
		Aldrich	135	87	120	137	144	152	160	164	175	186	197	225
		Census	261	89	117	127	139	148	155	162	171	180	192	292
1868	Jan. July	Aldrich	135	85	123	136	143	150	157	161	170	177	192	256
		Aldrich	135	85	123	134	143	150	158	163	172	179	192	257
		Census	261	89	117	126	138	144	150	160	167	176	187	250
1869	Jan. July	Aldrich	135	88	120	133	143	150	156	161	170	179	195	263
		Aldrich	135	88	119	133	144	150	157	163	174	181	200	263
		Census	261	83	117	127	138	145	151	160	168	177	192	263
1870	Jan. July	Aldrich	135	77	117	133	140	150	160	164	171	179	193	261
		Aldrich	135	75	117	133	139	150	160	168	175	181	197	261
		Census	259	89	117	132	141	150	155	163	169	178	194	355
1871	Jan. July	Aldrich	132	78	117	133	146	158	163	168	176	191	211	301
		Aldrich	132	78	117	133	146	158	163	170	179	190	211	301
		Census	254	89	120	136	144	150	157	164	172	178	200	563
1872	Jan. July	Aldrich	133	82	117	133	148	159	164	172	186	200	217	307
		Aldrich	134	82	120	133	150	160	164	174	186	200	215	307
		Census	254	89	120	137	144	150	160	167	174	181	200	563
1873	Jan. July	Aldrich	134	82	120	133	146	157	163	171	179	193	212	304
		Aldrich	134	82	120	133	146	153	162	174	183	194	213	304
		Census	252	89	125	138	146	153	160	169	176	189	206	563



TABLE 60—(CONTINUED).  
*Relative rates of wages in three industries according to data obtained from the Aldrich Report and from Weeks's Report: 1860-1880.*

Year	Month	Source	No. of Series	Lowest Relative Wage	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
1874	Jan. July	Aldrich Census	134 252	51 89	120 123	128 133	140 142	147 149	153 152	161 160	170 171	183 185	200 200	262 563
1875	Jan. July	Aldrich Census	133 252	57 89	113 120	125 130	131 135	137 144	148 150	155 157	161 168	174 177	191 195	239 513
1876	Jan. July	Aldrich Census	132 257	57 79	102 111	119 125	125 133	133 139	143 144	150 150	161 159	175 166	188 182	237 513
1877	Jan. July	Aldrich Census	133 257	56 79	99 106	114 120	123 129	130 133	140 140	145 146	152 154	164 165	176 175	237 475
1878	Jan. July	Aldrich Census	131 257	57 80	99 100	113 120	120 126	130 132	138 135	143 142	151 150	164 160	176 174	237 475
1879	Jan. July	Aldrich Census	131 257	47 78	103 100	114 115	121 122	129 127	133 131	140 134	146 143	165 153	186 168	225 438
1880	Jan. July	Aldrich Census	132 255	52 75	105 107	118 121	124 128	130 133	135 139	143 145	154 151	166 160	187 175	232 438

TABLE 60—(CONTINUED).  
*Relative rates of wages in three industries according to data obtained from the Aldrich Report and from Weeks's Report: 1860-1880.*

Year	Month	Source	No. of Series	2.—Manufacture of woolen textiles.										Highest Relative Wage
				Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	
1860	Jan. July	Aldrich	58	100	100	100	100	100	100	100	100	100	100	100
		Aldrich		75	94	100	100	100	100	100	100	101	109	137
		Census		100	100	100	100	100	100	100	100	100	100	100
1861	Jan. July	Aldrich	55	75	100	100	100	100	100	100	104	107	114	136
		Aldrich		60	95	100	100	100	100	100	105	109	115	143
		Census		79	100	100	100	100	100	100	100	100	105	123
1862	Jan. July	Aldrich	59	60	94	100	100	100	100	104	106	113	121	140
		Aldrich		60	92	100	100	100	104	109	113	117	120	148
		Census		79	100	100	100	100	100	100	102	106	113	133
1863	Jan. July	Aldrich	61	60	95	100	104	108	109	112	117	120	128	218
		Aldrich		59	90	100	100	105	109	113	117	120	142	218
		Census		118	65	100	100	105	108	113	114	117	126	150
1864	Jan. July	Aldrich	55	84	100	104	107	111	117	125	127	132	150	218
		Aldrich		62	90	100	107	111	116	122	136	148	150	218
		Census		118	80	100	102	114	120	129	136	143	151	177
1865	Jan. July	Aldrich	62	82	104	108	116	124	132	143	150	164	180	262
		Aldrich		61	86	109	115	120	132	138	151	160	184	262
		Census		118	82	120	128	139	145	150	157	169	182	230
1866	Jan. July	Aldrich	61	88	111	117	124	127	138	150	159	175	192	262
		Aldrich		59	80	116	120	128	136	149	150	166	179	262
		Census		118	82	120	133	140	145	150	157	167	177	230

TABLE 60—(CONTINUED).  
*Relative rates of wages in three industries according to data obtained from the Aldrich Report and from Weeks's Report: 1860-1880.*

Year	Month	Source	No. of Series	Lowest Relative Wage	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
1867	Jan. July	Aldrich	58	80	116	128	133	137	145	150	167	175	200	262
		Aldrich	60	80	113	120	131	137	145	150	153	167	193	262
		Census	118	82	120	133	140	145	149	150	158	175	188	230
1868	Jan. July	Aldrich	59	80	113	121	131	136	140	148	150	156	181	250
		Aldrich	58	80	112	120	132	137	146	150	153	163	200	250
1869	Jan. July	Census	118	82	120	135	142	147	150	156	167	173	189	230
		Aldrich	59	80	112	125	132	137	148	150	163	171	202	250
		Aldrich	59	80	111	120	133	140	149	154	163	175	200	270
1870	Jan. July	Census	117	82	124	135	143	149	150	164	170	182	200	230
		Aldrich	61	80	119	125	135	145	150	151	169	181	200	270
		Aldrich	60	78	107	124	132	143	150	151	171	181	200	270
1871	Jan. July	Census	117	99	122	138	150	152	160	170	175	188	200	243
		Aldrich	61	80	117	127	136	142	150	163	175	181	200	270
		Aldrich	61	80	120	127	136	141	150	159	175	183	200	270
1872	Jan. July	Census	90	99	128	138	149	150	156	164	170	172	195	229
		Aldrich	61	80	117	127	135	143	149	158	176	200	200	270
		Aldrich	60	80	106	128	136	142	149	156	175	195	203	286
1873	Jan. July	Census	90	100	129	140	150	150	160	168	170	182	200	229
		Aldrich	60	80	109	132	138	144	150	155	175	200	200	229
		Aldrich	61	80	125	132	138	146	150	158	177	200	206	229
1873	Jan. July	Census	90	88	125	139	150	150	157	163	171	177	200	229

TABLE 60—(CONTINUED).  
*Relative rates of wages in three industries according to data obtained from the Aldrich Report and from Weeks's Report: 1860-1880.*

Year	Month	Source	No. of Series	Lowest Relative Wage	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
1874	Jan. July	Aldrich Aldrich Census	60 59 115	80 80 75	102 109 125	111 132 133	123 137 146	137 141 150	144 150 157	152 162 164	174 175 175	183 189 192	200 200 200	232 291 313
1875	Jan. July	Aldrich Aldrich Census	60 59 113	80 80 100	109 109 120	133 133 133	138 138 140	147 145 150	149 150 158	163 160 164	170 174 171	181 185 188	200 200 200	217 229 313
1876	Jan. July	Aldrich Aldrich Census	60 59 113	80 80 88	108 100 114	127 111 125	135 127 134	142 136 143	149 144 150	155 153 157	164 165 169	175 175 183	200 194 200	229 229 313
1877	Jan. July	Aldrich Aldrich Census	52 60 113	80 80 80	100 100 112	109 113 119	126 127 130	130 135 135	137 139 148	144 151 153	164 165 160	175 172 178	183 183 200	226 235 313
1878	Jan. July	Aldrich Aldrich Census	60 60 114	80 80 80	99 100 110	113 113 117	127 128 125	136 135 133	140 139 140	148 148 153	166 167 160	175 175 178	183 188 200	237 244 313
1879	Jan. July	Aldrich Aldrich Census	60 60 114	80 80 82	100 100 105	113 113 117	127 128 125	131 135 133	138 140 139	148 154 150	167 167 162	175 175 175	186 186 200	239 269 313
1880	Jan. July	Aldrich Aldrich Census	61 61 114	80 80 82	113 115 112	122 122 120	130 130 127	134 134 136	140 141 148	150 153 153	171 174 163	178 182 175	207 207 200	254 311 313

TABLE 60—(CONTINUED).  
*Relative rates of wages in three industries according to data obtained from the Aldrich Report and from Weeks's Report: 1860-1880.*

Year	Month	Source	No. of Series	3.—Manufacture of metals and metallic goods.									
				Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	Highest
1860	Jan. July	Aldrich	125	Relative Wage	100	100	100	100	100	100	100	100	Relative Wage
		Aldrich			74	98	100	100	100	100	101	103	107
		Census			100	100	100	100	100	100	100	100	100
1861	Jan. July	Aldrich	115		97	100	100	100	100	100	102	104	110
		Aldrich			72	91	96	100	100	101	103	107	118
		Census			80	93	100	100	100	100	100	100	117
1862	Jan. July	Aldrich	130		75	91	97	100	100	103	106	109	116
		Aldrich			75	94	98	100	102	104	109	112	118
		Census			75	96	100	100	100	100	109	114	127
1863	Jan. July	Aldrich	132		80	97	100	103	106	110	114	117	122
		Aldrich			69	100	102	106	110	116	121	125	133
		Census			52	100	100	100	113	118	125	134	150
1864	Jan. July	Aldrich	132		75	100	110	114	117	120	125	129	143
		Aldrich			68	109	120	125	132	138	143	150	165
		Census			75	100	100	117	125	133	141	156	180
1865	Jan. July	Aldrich	135		81	117	129	136	141	148	151	159	174
		Aldrich			67	117	126	137	144	150	153	159	174
		Census			75	100	111	125	133	143	159	167	200
1866	Jan. July	Aldrich	134		84	117	125	139	144	150	156	165	176
		Aldrich			81	119	130	143	148	152	159	167	178
		Census			75	100	117	133	140	150	163	172	200

TABLE 60—(CONTINUED).  
*Relative rates of wages in three industries according to data obtained from the Aldrich Report and from Weeks's Report: 1860-1880.*

Year	Month	Source	No. of Series	Lowest Relative Wage	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
1867	Jan.	Aldrich	135	78	120	135	144	150	156	160	167	173	180	303
	July	Aldrich	134	74	120	136	147	152	157	163	167	175	183	257
		Census	171	75	100	117	133	143	151	167	177	197	200	296
1868	Jan.	Aldrich	132	74	120	136	148	150	158	164	168	176	185	257
	July	Aldrich	133	96	121	138	146	152	157	163	167	177	187	257
		Census	173	75	100	117	133	150	153	164	177	190	200	296
1869	Jan.	Aldrich	133	100	123	141	150	154	159	165	169	176	186	257
	July	Aldrich	130	98	120	140	150	154	160	165	171	177	186	307
		Census	173	66	100	117	133	150	155	167	180	188	200	296
1870	Jan.	Aldrich	138	91	118	133	148	154	160	166	174	180	192	257
	July	Aldrich	131	89	120	133	148	153	158	165	171	178	186	303
		Census	178	52	100	117	133	150	160	167	176	188	200	296
1871	Jan.	Aldrich	131	71	120	131	149	155	158	166	170	177	183	257
	July	Aldrich	126	91	120	137	149	154	160	166	171	177	184	257
		Census	162	65	100	117	140	150	158	171	180	190	210	340
1872	Jan.	Aldrich	122	91	119	138	150	154	159	167	171	177	185	257
	July	Aldrich	123	91	123	136	150	157	162	167	172	180	193	257
		Census	165	75	100	117	142	152	164	175	188	200	218	375
1873	Jan.	Aldrich	123	94	120	137	152	158	163	170	175	178	190	257
	July	Aldrich	123	74	123	137	152	159	163	171	176	182	199	257
		Census	169	75	100	117	141	150	164	175	190	200	218	360

TABLE 60—(CONCLUDED).  
*Relative rates of wages in three industries according to data obtained from the Aldrich Report and from Weeks's Report: 1860-1880.*

Year	Month	Source	No. of Series	Lowest Relative Wage	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
1874	Jan. July	Aldrich	120	74	114	133	145	154	160	168	173	179	194	257
		Aldrich	118	74	117	139	149	156	160	168	171	180	193	257
		Census	162	77	100	115	125	138	143	151	161	176	200	360
1875	Jan. July	Aldrich	116	74	115	130	141	147	156	160	171	177	194	257
		Aldrich	120	88	110	127	140	146	153	158	164	174	180	257
		Census	169	77	100	112	120	130	140	143	150	167	200	360
1876	Jan. July	Aldrich	112	68	106	128	137	141	149	154	160	167	180	257
		Aldrich	117	63	106	125	137	139	147	150	160	165	186	236
		Census	166	67	96	100	117	125	129	137	144	160	192	360
1877	Jan. July	Aldrich	118	73	107	120	131	137	141	148	155	163	179	236
		Aldrich	117	68	102	120	128	134	139	144	150	163	182	236
		Census	159	63	91	100	112	120	125	131	140	150	176	360
1878	Jan. July	Aldrich	117	66	105	120	126	134	138	143	150	162	179	236
		Aldrich	118	58	103	119	125	130	136	141	150	160	179	236
		Census	159	63	90	100	109	120	125	133	143	154	175	360
1879	Jan. July	Aldrich	122	79	100	116	122	126	133	138	141	151	171	232
		Aldrich	123	79	101	114	122	127	130	134	139	150	167	238
		Census	161	75	89	100	106	120	125	129	140	150	175	360
1880	Jan. July	Aldrich	124	79	102	117	122	128	130	134	140	150	169	215
		Aldrich	125	79	104	120	126	130	136	140	149	157	167	215
		Census	154	74	98	100	114	125	133	143	150	161	188	365

manufacturing industry the medians for the Aldrich series show a somewhat higher range up to 1874 inclusive and in 1878 and '79; in 1875, '76, and '80 Weeks's medians are slightly higher; and in 1877 the medians are the same. On the whole, the correspondence between the deciles as well as the medians is closer than one could expect from two sets of data collected independently. The comparison for woolen goods shows the medians practically the same in 1863 and 1864, Weeks's medians higher from 1865 to 1877, practical equality again in 1878 and '79, and Weeks's medians higher once more in 1880. The differences are somewhat wider than in the case of cotton goods; but study of the deciles as well as the medians shows that the agreements are more striking than the differences. In the industry—or rather, group of industries—called “metals and metallic goods” in the *Aldrich Report*, the correspondence is fairly close up to 1873; but Weeks's series indicate a much more sudden drop in wage-rates after the crisis than do the Aldrich series. The latter, however, show a continuous fall until 1879, and in 1880 there is again close agreement between the medians. However, the doubt about the character of the establishments grouped under this caption deprives both the agreements and disagreements of much of their significance.

The general result of these comparisons is to strengthen the claim of both sets of figures to recognition as a reliable indication of the trend and, broadly speaking, the degree of variations in wage-rates in manufacturing industries from 1860 to 1880. The substantial agreement of the two sets of data collected at different dates by different organizations, for different purposes, by different methods, for different times in the year, and largely from different establishments, argues strongly for the representative character of both sets. This conclusion does not mean, however, that the tables constructed from Weeks's data are a reliable index of average change in the rates at which wage-earners were paid in manufacturing industries. For Weeks's data give no information about the numbers of the persons whose wages were changed in varying degrees. They therefore err in the same fashion as Falkner's table, showing too slight an advance in relative wages



from 1860 to 1872 and too slight a fall from 1872 to 1879. The real value of the tables made from Weeks's data is (1) that they testify to the representative character of the Aldrich data for the eastern states; (2) that they establish the conclusion that wages rose more rapidly in the west than the east during the war, but less rapidly afterwards; and (3) that they make it possible to study the course of wages in several industries for which the *Aldrich Report* supplies little or no information.

#### *IV.—Relative Rates of Wages in Other than Manufacturing Industries.*

##### *a.—Wages of Farm Labor.*

The preceding tables based on the Aldrich and the Weeks reports take no account of the largest class of American wage-earners—farm laborers. This serious gap in our information can be partially filled, however, by data collected by the federal Department of Agriculture. In 1866 the department's statistician, Mr. J. R. Dodge, collected 1,510 statements regarding farm wages from statistical correspondents of the department, or county officials, scattered over every state and territory where farming was carried on to a considerable extent. Similar investigations were made again in 1869, 1875, 1879 and 1882. The results were published in tables showing by states the average wages of farm laborers "per month for the year or season," "per day in harvest," and "per day." Further, wages both "with board" and "without board" were given for each of these three forms of hiring.<sup>13</sup> Of these returns, the statisticians of the department seem to regard wages "per month, for the year or season" as the most significant. Their averages of these rates for geographical sections both with and without board for the five

<sup>13</sup> The results of these and later investigations are conveniently presented in "Wages of Farm Labor in the United States. Results of Eleven Statistical Investigations, 1866-1899, U. S. Department of Agriculture, Division of Statistics, Miscellaneous Series—Bulletin No. 22." Washington, 1901.

inquiries of 1866 to 1882 are accordingly presented in Table 61.<sup>14</sup>

These figures show a marked fall of wages in all of the geographical divisions of the country between 1866 and 1879, and also a less marked rise everywhere except on the Pacific Coast

TABLE 61.

*Actual monthly wages of farm laborers, employed by the year or season, with and without board, in the United States, and in five geographical sections, in 1866, 1869, 1875, 1879, and 1882.*

NOTE.—From "Wages of Farm Labor in the United States," U. S. Department of Agriculture, Division of Statistics, Miscellaneous Series, Report No. 4, pp. 8 and 9.

<i>Without Board.</i>						
Years	United States	Eastern States	Middle States	Southern States	Western States	Pacific States
1866	\$26.87	\$33.31	\$29.83	\$16.63	\$27.84	\$44.60
1869	25.92	32.03	29.19	16.49	26.39	46.88
1875	19.49	29.00	26.99	15.28	23.25	43.50
1879	16.05	21.36	20.24	12.65	19.81	40.11
1882	18.58	26.55	23.21	14.67	23.26	37.22

<i>With Board.</i>						
Years	United States	Eastern States	Middle States	Southern States	Western States	Pacific States
1866	\$17.45	\$20.82	\$19.01	\$10.75	\$18.48	\$29.48
1869	16.55	20.44	18.37	10.55	17.04	28.69
1875	12.72	18.59	16.98	9.94	15.44	28.13
1879	10.43	18.03	12.37	8.46	12.75	25.88
1882	12.41	16.92	14.71	9.92	15.60	23.73

after 1879. In these respects they agree with the results previously obtained from the Aldrich and Weeks data for manufacturing industries. In another respect, however, there appears to have been a difference between the fluctuations of wages on farms and in factories. Farm wages were somewhat higher in 1866 than in 1869—the Pacific States again excepted—; but factory

<sup>14</sup> The geographical divisions used are as follows: Eastern States—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut; Middle States—New York, New Jersey, Pennsylvania, Delaware; Southern States—Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Texas, Arkansas, Tennessee; Western States—West Virginia, Kentucky, Ohio, Michigan, Indiana, Illinois, Wisconsin, Minnesota, Iowa, Missouri, Kansas, Nebraska, South Dakota, North Dakota, Pacific States—California and Oregon. The returns for the Mountain States were too scanty in these early years to be significant, and no returns were published for Indian Territory or Washington. The averages seem to be made by weighting the average rates for each state by the number of agricultural laborers employed within it as reported by the census.

wages were on the whole higher in 1869 than 1866. The Aldrich data indicate a considerable advance between these two dates, and the Weeks data a moderate advance.

These comparisons are limited to the direction in which wages varied from time to time, and it is desirable to supplement them by comparisons of the degree of the variations. To do so, however, is difficult, because all our tables of relative wages in manufacturing industries are based on actual wages in 1860, and because we have but scanty information about farm wages before 1866. Our knowledge is limited to a surmise made by Mr. Dodge in 1866, and a few old records collected in 1892. In publishing the results of his first investigation Mr. Dodge wrote, "The result shows an increase of the rates of wages in five years amounting to about 50 per cent.," and "This is less than the increase of the cost of living;"<sup>15</sup> but he gave no definite data in support of this view. A belated attempt to supply statistics for earlier years was made in connection with the investigation of 1892. The Department of Agriculture then requested its correspondents to send in copies of any accessible wage-records relating to years before 1866. The result was the publication of a considerable number of fragmentary statements, diverse in form, limited in geographical reference, and applying to widely varying dates.<sup>16</sup> No satisfactory comparisons can be made between these records and the averages for states published in 1866; but a few series, extending from 1860 to 1865, can be culled from the mass, and the conclusion deduced that in these particular cases farm wages increased between 50 and 60 per cent. But the number of these series is so small that the result has little significance.<sup>17</sup> It is not safe to say more than that wages of farm laborers appear from our scanty information to have advanced somewhat less rapidly than the wages of factory laborers during the Civil War.

For 1866 and later years a somewhat better comparison is possible. To get figures as nearly comparable as possible with the data for farm wages, I have collected all the series from both

<sup>15</sup> *Report of the Commissioner of Agriculture for the Year 1866*; p. 81.

<sup>16</sup> *Wages of Farm Labor in the United States*. U. S. Department of Agriculture, Division of Statistics, Miscellaneous Series, Report No. 4, pp. 54-69.

<sup>17</sup> See *History of the Greenbacks*, pp. 321-4.

the Aldrich and the Weeks reports showing daily wages of "common laborers" in 1866, 1869, 1875, and 1879; made averages for the states whenever five or more series were available, and compared the results with the Department of Agriculture's figures for wages of farm laborers employed by the day without board. The averages for both the eastern and western states are made without regard to the number of employees or number of series, because these facts are not stated with reference to the figures for farm laborers. The averages therefore possess little significance, except as convenient summaries of the figures for the several states. For purposes of computing relative wages, Mr. Dodge's opinion is adopted that by 1866 wages had risen about 50 per cent. above the level of 1861, and actual wages in later years are converted into percentages on the basis: wages in 1866 = 150. The same basis is of course taken for factory laborers; but the preceding tables indicate that by 1866 laborers employed in factories had on the average obtained somewhat more than 50 per cent. increases upon actual wages in 1860 or 1861.

These figures, presented in Table 62, make possible several different comparisons. (1) The fall in farm wages between 1866 and 1879 was considerably greater than the fall in the wages of ordinary laborers employed in factories. If Dodge's opinion that farm wages had advanced about 50 per cent. by 1866 is correct, the farm hand had lower money wages in 1879 than before the civil war, while the factory laborer still retained a large part of the gains made during the paper-standard period. (2) Actual wages of laborers employed on farms were higher in 1866 than actual wages of laborers employed in factories in 8 of the 13 states for which statistics are given. But in 1879 there was only one state—Connecticut—where the farm hand had higher wages. (3) When the eastern and western states are compared, it appears that the fall in wages between 1866 and 1879 was somewhat greater in the west for both farm and factory hands. The figures for 1869 and 1875 indicate that the fall began earlier in the west. (4) Actual wages of farm laborers were lower in the western than in the eastern states at all dates; actual wages of factory laborers on the other hand were higher in the west in 1866, but were reduced below the eastern averages in later years.

TABLE 62.

*Actual and relative daily wages of "common laborers" employed in factories and on farms, in 1866, 1869, 1875, and 1879.*

*Data obtained from the Aldrich Report, Weeks's Report, and the Department of Agriculture.*

NOTE.—See the explanations upon pp. 220, 221.

State	Place of Employment	No. of Series	Actual Wages per Day				Relative Wages			
			1866	1869	1875	1879	1866	1869	1875	1879
Maine	Factories	6	\$1.513	\$1.513	\$1.456	\$1.218	150	150	144	121
	Farms	....	1.49	1.48	1.46	0.97	150	149	147	98
New Hampshire	Factories	7	1.353	1.381	1.459	1.266	150	153	162	140
	Farms	....	1.67	1.79	1.50	0.98	150	161	135	88
Massachusetts	Factories	26	1.569	1.624	1.537	1.359	150	155	147	130
	Farms	....	1.83	1.92	1.44	1.05	150	157	118	86
Connecticut	Factories	11	1.488	1.583	1.535	1.274	150	160	155	128
	Farms	....	1.75	1.87	1.50	1.50	150	160	129	129
New York	Factories	25	1.447	1.484	1.411	1.241	150	154	146	129
	Farms	....	1.75	1.64	1.48	0.92	150	141	127	79
New Jersey	Factories	11	1.574	1.619	1.402	1.247	150	154	134	119
	Farms	....	1.68	1.68	1.45	0.99	150	146	129	88
Pennsylvania	Factories	24	1.601	1.596	1.414	1.313	150	150	132	123
	Farms	....	1.59	1.43	1.37	0.96	150	135	129	91
Av. for preceding states	Factories	110	1.506	1.543	1.459	1.274	150	154	145	127
	Farms	....	1.68	1.68	1.457	1.053	150	150	130	94
State	Place of Employment	No. of Series	Actual Wages per Day				Relative Wages			
			1866	1869	1875	1879	1866	1869	1875	1879
Ohio	Factories	17	\$1.607	1.606	\$1.399	\$1.308	150	150	131	122
	Farms	....	1.54	1.44	1.35	1.00	150	140	132	97
Indiana	Factories	11	1.43	1.413	1.283	1.127	150	148	135	118
	Farms	....	1.45	1.36	1.30	0.90	150	141	134	93
Illinois	Factories	5	1.483	1.483	1.346	1.316	150	150	136	133
	Farms	....	1.62	1.50	1.37	1.01	150	139	127	94
Wisconsin	Factories	6	1.423	1.327	1.206	1.213	150	140	127	128
	Farms	....	1.78	1.56	1.42	1.12	150	131	120	94
Missouri	Factories	6	1.783	1.66	1.337	1.229	150	140	112	103
	Farms	....	1.44	1.44	1.07	0.67	150	150	111	70
Kentucky	Factories	7	1.455	1.452	1.333	1.362	150	150	137	140
	Farms	....	1.21	1.10	1.03	0.77	150	136	128	95
Av. for preceding states	Factories	52	1.53	1.49	1.317	1.259	150	146	129	123
	Farms	....	1.507	1.40	1.257	0.912	150	139	125	91
Av. for all states	Factories	162	1.52	1.52	1.39	1.27	150	150	137	125
	Farms	....	1.60	1.54	1.36	0.98	150	144	128	92

Our conclusion regarding the general trend of wage-fluctuations must be slightly modified in the light of these data for the one occupation which is followed by the largest number of American wage-earners. Were we able to include in our general tables properly weighted series for farm laborers, it is probable that the relative wages in the latter '60's would be somewhat lower, and certain that the decline in the '70's would be greater and the final figures for 1880 not so much above the level of 1860.

*b.—Salaries of School Teachers.*

Among the data collected for the *Aldrich Report* were a number of carefully selected series of figures showing the annual salaries paid to school teachers in two Massachusetts counties and in four cities—Boston, Baltimore, Cincinnati, and St. Louis. Only maximum and minimum salaries paid to teachers of different grades were taken, because such figures were thought to come nearest representing pay for work of uniform quality. Table 63 presents relative figures based on actual salaries for each of the cities and the two country districts, and Table 64 gives deciles for all the series, except those from Boston, which are omitted because of the lack of data for 8 years.

The figures show no advance in salaries until 1864. But in that year the school boards of the four cities and the two counties granted increases, though these increases were less than the average of the gains made by the wage-earners for whom the *Aldrich Report* gives data—except in Baltimore where salaries had been so very low in 1860 that a small increase in actual pay appears as a large relative increase. In the next year Boston and the Massachusetts counties granted further increases to their teachers; and after the war was over all four cities and the two counties made substantial additions to salaries. The scales fixed by Baltimore and Cincinnati in 1868 were maintained without substantial change until 1880; in Boston, St. Louis and the Massachusetts counties the scales were advanced to maxima in 1873, '74, '75, and '76 respectively, and then reduced again. The relative figures for 1880 stand high above the weighted averages for all industries

TABLE 63.

*Arithmetic means of relative salaries of male and female school teachers in four cities and two country districts: by years, 1860-1880.*

*Data obtained from the Aldrich Report.*

Year	St. Louis			Boston			Cincinnati		
	M	F	M & F	M	F	M & F	M	F	M & F
1860	100	100	100	100	100	100	100	100	100
1861	60	78	67	100	100	100	87	91	89
1862	76	90	82	100	100	100	87	91	89
1863	—	—	—	100	100	100	100	100	100
1864	115	131	121	109	127	116	120	100	110
1865	115	131	121	125	145	133	120	100	110
1866	129	143	135	125	145	133	152	133	143
1867	—	—	—	148	162	155	152	159	156
1868	146	155	149	148	162	155	155	159	157
1869	149	155	151	—	—	—	155	159	157
1870	149	173	158	—	—	—	155	159	157
1871	158	173	164	—	—	—	155	159	157
1872	157	173	163	—	—	—	155	159	157
1873	154	173	168	154	185	167	155	159	157
1874	154	173	168	—	—	—	155	159	157
1875	161	173	166	—	—	—	155	159	157
1876	161	159	160	154	200	173	155	159	157
1877	143	151	146	145	175	157	155	159	157
1878	138	153	144	139	192	160	155	159	157
1879	138	153	144	—	—	—	155	159	157
1880	138	153	144	—	—	—	155	159	157

Year	Baltimore			Country Schools			Cities and Country (Boston excluded)		
	M	F	M & F	M	F	M & F	M	F	M & F
1860	100	100	100	100	100	100	100	100	100
1861	100	100	100	101	95	98	86	94	90
1862	100	100	100	100	99	99	90	96	93
1863	100	100	100	102	97	99	100	99	100
1864	131	178	162	105	100	103	119	141	131
1865	131	178	162	128	115	122	123	143	134
1866	159	249	219	136	126	131	145	187	168
1867	159	249	219	142	130	136	152	203	182
1868	176	244	221	142	140	141	156	195	177
1869	176	244	221	158	145	152	160	195	179
1870	176	244	221	152	150	151	159	199	180
1871	176	244	221	158	154	156	162	199	182
1872	176	244	221	153	160	157	161	200	182
1873	176	244	221	167	169	168	163	202	184
1874	176	244	221	173	169	171	164	202	184
1875	176	244	221	175	175	175	166	203	186
1876	176	244	221	159	176	167	163	201	184
1877	176	244	221	158	166	162	158	198	180
1878	170	244	219	152	163	157	154	198	178
1879	170	244	219	144	155	149	152	197	176
1880	170	244	219	138	151	145	151	196	176

TABLE 64.

*Deciles of relative salaries of school teachers: by years, 1860-1880.*  
*Data obtained from the Aldrich Report.*

NOTE.—Constructed from the same series of relative salaries used in Table 63. The series for Boston are omitted.

Year	No. of Series	Low-est	1st decile	2d decile	3d decile	4th decil	Median	6th decile	7th decile	8th decile	9th decile	High-est
1860	24	100	100	100	100	100	100	100	100	100	100	100
1861	24	48	67	82	89	91	94	100	100	100	100	102
1862	24	64	83	87	90	92	99	100	100	100	100	100
1863	19	94	100	100	100	100	100	100	100	100	100	102
1864	24	98	100	100	106	120	120	125	140	167	171	250
1865	24	100	100	109	120	120	122	127	140	167	171	250
1866	24	100	118	133	136	141	147	159	167	200	233	400
1867	19	124	133	137	147	158	164	167	180	233	250	400
1868	24	110	133	142	149	159	167	177	180	192	232	408
1869	24	120	133	149	158	160	167	177	180	192	232	408
1870	24	120	133	149	158	160	167	178	180	212	232	408
1871	24	128	133	149	159	164	167	180	180	212	232	408
1872	24	128	133	149	158	167	167	178	180	212	232	408
1873	24	120	133	158	166	167	167	178	180	212	232	408
1874	24	120	133	151	167	167	175	180	182	212	232	408
1875	24	120	133	158	167	170	178	180	182	212	232	408
1876	24	107	133	152	166	167	176	180	183	212	232	408
1877	24	107	133	154	159	162	167	178	180	196	232	408
1878	24	104	133	149	159	160	162	167	180	200	232	408
1879	24	104	128	149	156	159	160	167	180	200	232	408
1880	24	104	120	148	155	158	160	167	180	200	232	408

of the *Aldrich Report* in Baltimore, decidedly above in Cincinnati, and slightly above in St. Louis and the Massachusetts counties. The arithmetic means of all series indicate that teachers were relatively worse off than the average manual worker in manufacturing industries until 1866, then in about the same position until 1872, and decidedly better off from 1874 to 1880. But these arithmetic means are unduly influenced by the high relative salaries received by female teachers in Baltimore who had received in 1860 less than \$300 per year. It is therefore better to compare the deciles and medians of Table 64 with the corresponding figures of Table 33. If this be done it appears that the majority of teachers for whom we have data were not so well off in the matter of relative money wages as the majority of factory hands until 1875, when the decline in wages in manufacturing industries had gotten well under way. From this time on to the end they were decidedly better off.



In school teachers we have a class of wage-earners employed in establishments not managed for the sake of pecuniary profits, receiving annual salaries instead of daily wages, lacking effective organization to promote their pecuniary interests, and engaged in an occupation where tradition plays a considerable rôle. We should expect, therefore, that their money incomes would be re-adjusted to a new scale of prices more slowly than in the case of factory hands, and such is what our scanty statistical materials show. Because of this relative inelasticity of their money incomes, teachers suffered with exceptional severity from the sudden rise of prices during the war, and profited exceptionally from the fall of prices after the crisis of 1873.

*V.—Fluctuations in the Price of Labor Compared with Fluctuations in the Price of Gold, of Commodities at Wholesale, of Commodities at Retail, and of Cost of Living.*

*a.—The Representative Character of the Table of Relative Wages Used in the Following Comparisons.*

In comparing the fluctuations in the price of labor during the years of the paper standard with the fluctuations in the prices of gold and of commodities, it is best to rely upon the material from the *Aldrich Report*. For though the number of wage-series from this source is little over a third of the number from *Weeks's Report*, these series were collected with greater care, refer to definite months of the year, and show numbers employed. Moreover, the comparison which has been made between the two sets of wage-tables shows that they are in substantial agreement with each other after the formal differences in the character of the materials have been eliminated.<sup>18</sup> It is probable that if Weeks's data showed numbers employed, the deciles weighted by these numbers would be as much higher than the present deciles as the weighted deciles of the Aldrich series are higher than the simple deciles. The existing differences between the tables for all industries made from the two sets of data, therefore, afford no ground for doubt-

<sup>18</sup> See section iii of this chapter.

ing the approximately representative character of the higher range of relative wages shown by the tables based on the *Aldrich Report*.

But study of the tables based on *Weeks's Report* lends emphasis to a warning. Our table must be interpreted as showing changes in relative rates of wages in the New England and North Atlantic States only. According to the tables based on *Weeks's Report*, relative wages in the North Central States were somewhat higher during the war and somewhat lower during the '70's than in states east of Ohio. It is therefore probable that if our material from the *Aldrich Report* covered the northern states from Maine to Missouri, the deciles for 1863 to 1865 would be somewhat higher and the deciles for 1870 to 1880 somewhat lower. Regarding wages in states south of the Potomac and west of the Mississippi we have practically no information. Similarly, study of farm wages and teachers' salaries emphasizes the warning that our tables based on the *Aldrich Report* must be interpreted as showing wage-changes in a limited number of industries—mainly manufacturing. It is probable that if we had adequately weighted series for farm laborers and school teachers, we should find our more inclusive table for all industries showing a less rapid advance during the war. Whether the fall after the war would be materially affected by the inclusion of series for both these groups is less certain;—farm laborers suffered a rapid loss in wages after 1869; but teachers continued to gain until the later '70's and then had their salaries reduced in a more moderate degree than the great mass of manual wage-earners. Probably the larger numbers of farm laborers would outweigh the influence of the school-teachers. But there are also large classes of salaried men and women, such as clerical employees in public and private offices, and salespeople, whose pay probably varied according to the school-teacher type rather than the farm-laborer type. Their inclusion might well keep the farm laborers from depressing the grand averages for all wage-earners toward the end of the green-back period much below the level shown by our present tables. Finally, Table 58, which compares unweighted deciles for all industries from the *Aldrich Report* with similar figures relating to the eastern states only from the *Weeks Report*, suggests that the

manufacturing industries omitted from the first source and included in the second showed a somewhat lower range of relative wages than the industries for which the *Aldrich Report* gives data.

What, then, does our table of relative wages based on the *Aldrich Report* represent? Strictly speaking, it represents only the variations in the rates of daily wages paid to an average of between five and six thousand persons employed in a limited number of industries—chiefly manufacturing—in states north of Maryland and east of Ohio. But is there warrant for believing that the changes in the pay of this body of wage-earners are fairly representative of the changes in the pay of the larger body of wage-earners for whom the *Aldrich Report* gives no data? What we are able to learn from various sources about other important classes of wage-earners indicates that the inclusion of data for them in our table would exercise opposing influences on the result. (1) Probably the advance in wages up to 1865 would be increased somewhat by the inclusion of data for factory employees in the North Central States, and diminished somewhat by the inclusion of data for certain excluded branches of manufacturing, for farm laborers, for school teachers, and for other salaried people. (2) Probably the fall of wages after the crisis of 1873 would be increased by the inclusion of data for western factory hands and for farm laborers, but diminished by the inclusion of data for school teachers and other salaried people. When these opposing influences are weighted in the mind, the force of the depressing factors seems rather greater. On the whole our table, as an index of changes in rates of wages in states north of the Potomac and east of the Mississippi, probably errs in the direction of exaggerating the advance in wages during the war and minimizing the fall in wages during the later '70's. But there is no ground for doubting the correctness of the table as a representative of the general type of the wage changes which took place under the greenback standard in that large section of the United States from which our information comes. Whatever modifications the table would undergo, could they be made all-inclusive, would be modifications only in degree of movement, and these modifications in degree would probably be small in comparison with the scope of wage-changes as a whole.

The representative character of our table for all employees whose wages are given in the *Aldrich Report* can be improved by excluding the series for one industry—"city public works." Though the municipal employees for whom we have data belong to occupations largely represented among the employees of private contracting firms, still it is notorious that considerations not of a business sort sometimes have much influence in determining the wages paid by American cities. A glance back at Tables 35 and 37 shows that the fluctuations of wages in this "industry" differed widely from the fluctuations in industries where business motives played a larger rôle in fixing terms of employment. From 1863 to 1876 "city public works" show very high relative wages; in July, 1879 very low relative wages. Moreover the number of employees represented by the city series is subject to extraordinary variations, ranging from a maximum of 2,466 in July, 1860, to a minimum of 260 in January, 1880. These extraordinary variations in numbers exercise an arbitrary influence on the position of the deciles in the table for all industries. On the whole, therefore, there is reason to believe that our chief wage-table will be a fairer index of the course of wages if the 22 series for "city public works" are excluded. The result of exclusion is to give a lower range to the deciles and medians in most years. That is, the new table used in the following comparisons, differs from the general table for all industries covered by the *Aldrich Report* in the direction which the preceding paragraphs suggest that it ought to differ.

*b.—Relative Wages and the Price of Gold.*

The first comparison, that between the price of labor and the price of gold, can best be made by studying the next chart. The differences of movement shown there are more striking than the similarities. Gold advanced in price rapidly though unsteadily through 1862 and 1863, to its climax in July, 1864; then declined rapidly though unsteadily till May, 1865, when it stood for a brief time below the median for wages; it fluctuated for the next four years around 140; dropped during the last months of 1869 and the first months of 1870 to the level of about 113, where it stayed

until 1876; and finally declined gradually from this level in the spring of 1876 to 100 at the end of 1878. Meanwhile wages, though advancing more slowly, continued to advance long after gold had fallen back from the extreme prices of the war, and did not reach their maximum until 1871 or 1872. By this time even the lowest decile for wages stood above the ruling quotations for gold, and it continued to do so for the rest of the period, despite the fact that wages declined rapidly after 1873, while gold remained nearly stable in price from 1870 to 1876.

*c.—Relative Wages and Relative Prices at Wholesale.*

The material for comparing wages and wholesale prices is presented in Table 65 and Chart VII. The short-lived business depression during the winter and spring of 1860-'61 affected wages less than prices, and so did the changed business and monetary conditions of 1862. Rapid as was the advance of wages in the following years it was surpassed by the advance in prices. In January, 1865, when prices reached their maximum, the 9th decile for wages was but little higher than the 2d decile for prices. After that date prices fell, though unsteadily, while wages continued to advance until July, 1872. The result of these opposite movements was that in 1872 the median for wages stood 50 points above the median for prices. After July, 1872, both prices and wages declined and at about the same pace. In July, 1879, when the lowest point was reached, the median for wages was 51 points above the median for prices. Both moved up again in 1880, but prices so much faster than wages that the interval between the medians was reduced to 29 points. In brief, the differences between the movements of wages and wholesale prices are like the differences between the movements of wages and gold in general character, but less extreme in degree.

Another characteristic difference between the two sets of fluctuations is that wages covered a narrower range and showed closer concentration around the median. This fact is graphically shown by the chart, and more accurately by the figures of Table 66. Of course the extreme range of wholesale prices is due in considerable part to the very high price of cotton during the war;





TABLE 65.

*Relative rates of wages of employees of manufacturing industries in Eastern States and relative wholesale prices: 1860-1880.*

NOTE.—Relative wholesale prices taken from Table 4. Relative rates of wages derived from Table 33, after excluding the series for "City Public Works." See pp. 229, 230.

Date	Charac- ter of data	No. of wage- earners	Low- est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1860													
Jan.	Prices		80	100	100	100	100	100	100	100	100	107	149
	Wages	3683	100	100	100	100	100	100	100	100	100	100	100
Apr.	Prices		81	95	98	100	100	100	100	103	109	115	142
July	Prices		75	89	95	96	99	100	100	100	103	113	136
July	Wages	3972	41	98	99	100	100	100	100	100	101	105	137
Oct.	Prices		77	90	93	97	100	100	100	101	109	118	159
1861													
Jan.	Prices		74	83	89	94	97	100	100	103	108	117	155
Jan.	Wages	3519	70	95	99	100	100	100	100	102	107	113	149
Apr.	Prices		52	80	89	90	94	96	100	102	109	117	173
July	Prices		50	66	76	86	91	96	100	100	108	120	205
July	Wages	3922	60	92	97	98	100	100	100	102	107	116	143
Oct.	Prices		60	75	83	90	94	97	100	103	111	125	363
1862													
Jan.	Prices		63	80	89	93	96	100	105	117	133	150	380
Jan.	Wages	3595	60	94	98	99	100	100	101	105	109	120	200
Apr.	Prices		70	80	90	93	95	100	103	117	127	149	370
July	Prices		52	75	88	91	98	100	106	117	127	167	640
July	Wages	3723	60	91	97	100	100	102	104	109	113	120	200
Oct.	Prices		65	81	91	100	102	111	116	125	133	165	563



TABLE 65—(CONTINUED).  
*Relative rates of wages of employees of manufacturing industries in Eastern States and relative wholesale prices: 1860-1880.*

Date	Charac- ter of data	No. of wage- earners	Low- est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1863 Jan.	Prices		75	93	100	109	117	125	132	143	159	193	625
Jan.	Wages	3060	54	98	100	103	105	109	113	117	123	142	240
Apr.	Prices		72	100	112	125	129	137	150	163	186	233	675
July	Prices		67	100	106	117	127	134	144	157	175	200	895
July	Wages	3749	42	100	103	106	111	114	115	121	126	142	240
Oct.	Prices		67	100	112	120	129	135	141	150	170	200	773
1864 Jan.	Prices		69	114	127	140	145	156	166	178	200	228	750
Jan.	Wages	3929	75	100	109	114	120	124	130	136	142	164	280
Apr.	Prices		75	124	133	151	161	169	178	198	212	261	960
July	Prices		89	139	157	167	181	194	200	221	266	308	1410
July	Wages	4457	68	108	117	126	130	135	140	148	155	168	280
Oct.	Prices		94	147	166	174	194	200	217	237	263	337	1101
1865 Jan.	Prices		89	160	176	191	200	216	241	256	272	318	1096
Jan.	Wages	3960	63	117	127	134	141	148	152	159	169	179	320
Apr.	Prices		94	133	150	162	179	190	200	212	240	270	796
July	Prices		79	105	128	138	150	158	171	189	207	252	759
July	Wages	4328	67	125	132	140	145	151	155	163	169	178	320
Oct.	Prices		96	125	138	150	168	175	200	216	243	277	833
1866 Jan.	Prices		100	122	135	154	170	182	200	209	232	277	824
Jan.	Wages	4643	77	126	141	146	153	163	168	174	177	185	280
Apr.	Prices		94	115	126	149	161	173	190	200	215	250	833
July	Prices		89	120	137	147	167	181	195	200	219	250	815
July	Wages	4931	73	132	146	150	156	158	167	175	180	186	280
Oct.	Prices		93	123	137	150	158	173	181	199	212	263	880

TABLE 65—(CONTINUED).  
*Relative rates of wages of employees of manufacturing industries in Eastern States and relative wholesale prices: 1860-1880.*

Date	Charac- ter of data	No. of wage- earners	Low- est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1867 Jan.	Prices		89	112	125	142	153	169	174	190	209	228	861
Jan.	Wages	5183	63	137	148	152	161	172	177	182	182	188	302
Apr.	Prices		89	110	125	141	150	166	175	197	207	228	648
July	Prices		86	107	119	136	147	150	164	180	202	238	870
July	Wages	4989	74	137	149	155	160	163	172	179	184	194	280
Oct.	Prices		87	109	123	142	150	162	173	185	197	220	741
1868 Jan.	Prices		85	100	119	132	150	158	170	187	200	225	787
Jan.	Wages	4587	73	134	148	154	163	167	175	176	184	191	280
Apr.	Prices		84	100	126	135	150	162	177	188	200	250	787
July	Prices		82	100	122	132	143	154	173	180	195	208	435
July	Wages	4976	80	137	148	156	165	171	175	180	185	200	280
Oct.	Prices		88	105	121	138	150	159	173	179	196	221	500
1869 Jan.	Prices		82	103	117	132	150	159	172	180	190	227	361
Jan.	Wages	4862	63	138	150	156	165	174	178	184	193	204	280
Apr.	Prices		81	108	125	135	146	159	172	180	196	220	377
July	Prices		73	100	117	134	141	158	167	178	187	200	361
July	Wages	5555	63	141	153	161	169	175	180	189	205	212	325
Oct.	Prices		68	100	118	136	142	153	162	177	181	200	444
1870 Jan.	Prices		70	100	112	128	140	147	152	166	178	200	352
Jan.	Wages	5505	77	138	151	160	167	175	180	188	200	208	325
Apr.	Prices		67	100	106	123	132	140	147	159	174	200	367
July	Prices		67	98	108	123	127	132	144	161	179	200	380
July	Wages	5463	75	134	150	160	167	175	179	184	203	209	325
Oct.	Prices		65	100	104	119	129	135	147	154	174	192	324

TABLE 65—(CONTINUED).  
*Relative rates of wages of employees of manufacturing industries in Eastern States and relative wholesale prices: 1860-1880.*

Date	Charac- ter of data	No. of wage- earners	Low- est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1871	Jan. Prices		60	94	105	119	127	133	141	154	171	189	343
	Jan. Wages	5303	71	134	151	162	169	178	184	191	198	205	325
	Apr. Prices		61	100	110	121	127	131	140	150	164	180	337
	July Prices		64	90	102	118	125	130	142	149	158	180	333
	July Wages	5799	78	138	153	163	173	179	189	196	200	207	301
	Oct. Prices		64	97	111	118	125	129	142	150	162	182	361
1872	Jan. Prices		55	100	108	121	129	133	142	150	164	185	343
	Jan. Wages	5259	73	134	150	159	169	174	179	196	200	217	307
	Apr. Prices		55	93	105	120	130	140	150	159	171	200	324
	July Prices		55	90	104	117	125	130	144	152	169	198	330
	July Wages	6130	80	139	155	165	175	180	190	200	204	213	307
	Oct. Prices		55	97	116	122	129	133	144	153	173	195	326
1873	Jan. Prices		55	92	110	124	129	135	145	153	164	194	361
	Jan. Wages	5180	80	136	150	159	166	175	182	186	198	212	304
	Apr. Prices		58	94	105	125	130	137	147	156	168	200	333
	July Prices		58	92	103	114	123	130	142	152	168	196	333
	July Wages	5428	74	136	153	161	171	176	187	195	206	222	304
	Oct. Prices		58	92	104	116	125	131	146	151	167	196	367
1874	Jan. Prices		58	97	106	115	124	130	141	150	160	200	352
	Jan. Wages	5098	51	133	147	155	163	170	180	185	195	204	300
	Apr. Prices		58	95	106	116	122	129	140	150	170	200	346
	July Prices		58	95	106	111	118	120	139	146	166	199	352
	July Wages	5181	51	138	150	158	166	173	177	185	191	204	336
	Oct. Prices		58	92	105	112	124	130	136	142	156	185	394

TABLE 65—(CONTINUED).  
*Relative rates of wages of employees of manufacturing industries in Eastern States and relative wholesale prices: 1860–1880.*

Date	Charac- ter of data	No. of wage- earners	Low- est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1875	Jan. Prices		67	93	103	110	121	127	133	147	160	193	359
	Jan. Wages	4617	57	130	143	149	157	161	168	175	181	199	297
	Apr. Prices		64	92	102	109	119	125	136	145	152	172	407
	July Prices		55	92	99	105	112	121	129	140	149	174	432
	July Wages	5068	57	130	143	146	154	160	164	173	179	195	329
	Oct. Prices		45	89	99	106	110	120	129	137	150	162	426
1876	Jan. Prices		59	89	95	100	109	117	125	131	144	160	398
	Jan. Wages	4341	57	125	137	144	149	156	163	175	179	191	403
	Apr. Prices		61	85	95	103	106	115	125	131	144	159	394
	July Prices		64	79	91	98	104	110	117	123	137	158	391
	July Wages	5070	57	124	132	139	143	150	155	163	173	180	286
	Oct. Prices		55	80	89	95	101	108	116	127	140	153	393
1877	Jan. Prices		61	78	89	100	107	114	124	129	138	160	393
	Jan. Wages	4710	56	119	125	133	142	146	151	156	166	176	270
	Apr. Prices		41	76	86	92	100	108	119	126	136	150	409
	July Prices		41	75	83	89	99	100	110	123	133	158	391
	July Wages	5200	56	118	125	131	136	141	147	154	163	174	267
	Oct. Prices		41	76	83	88	96	102	112	120	128	137	396
1878	Jan. Prices		45	74	81	85	90	99	108	117	125	140	382
	Jan. Wages	4691	57	115	125	129	137	142	150	155	168	176	267
	Apr. Prices		36	67	76	80	85	96	100	113	125	142	378
	July Prices		36	67	72	77	85	90	97	102	109	132	378
	July Wages	5186	57	115	123	127	131	140	148	153	167	176	283
	Oct. Prices		45	63	69	78	85	94	100	106	120	138	380

TABLE 65—(CONCLUDED).  
*Relative rates of wages of employees of manufacturing industries in Eastern States and relative wholesale prices: 1860-1880.*

Date	Charac- ter of data	No. of wage- earners	Low- est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1879 Jan.	Prices		46	57	68	76	83	88	94	107	124	142	370
Jan.	Wages	4864	47	113	122	125	131	140	144	152	166	176	261
Apr.	Prices		36	62	68	75	81	84	95	104	119	150	370
July	Prices		36	59	67	72	81	85	93	103	118	150	370
July	Wages	5504	47	114	120	125	129	136	142	150	160	178	269
Oct.	Prices		36	64	75	80	86	95	102	110	123	144	380
1880 Jan.	Prices		36	78	86	93	100	108	116	123	133	150	393
Jan.	Wages	5370	52	117	122	125	130	137	142	155	166	178	254
Apr.	Prices		36	74	87	94	102	107	112	122	140	164	382
July	Prices		36	69	79	87	95	102	109	117	126	150	385
July	Wages	6183	57	115	127	132	135	140	150	155	164	177	311
Oct.	Prices		36	73	85	91	97	101	110	118	126	142	398





TABLE 66.

*Average distribution of wage-earners represented in Table 65, and of 92 series of relative wholesale prices, over the fields covered by the fluctuations of relative wages and relative wholesale prices, from 1860 to 1880.*

NOTE.—The figures for wages are based upon Table 65. The figures for wholesale prices are taken from Table 5.

Average intervals between	Relative wages	Relative wholesale prices
Lowest relative wages or prices and 1st deciles	57.2 points	80.1 points
1st deciles and 2d deciles	10.0 points	10.3 points
2d deciles and 3d deciles	5.7 points	9.6 points
3d deciles and 4th deciles	5.9 points	8.6 points
4th deciles and medians	5.4 points	7.4 points
Medians and 6th deciles	5.3 points	9.3 points
6th deciles and 7th deciles	6.4 points	8.4 points
7th deciles and 8th deciles	7.5 points	15.4 points
8th deciles and 9th deciles	10.6 points	25.6 points
9th deciles and highest relative wages or prices	96.7 points	298.0 points
Lowest and highest relative wages or prices	210.7 points	422.7 points

but if the comparison be confined to the limits marked by the 1st and 9th deciles, the average ranges are found to be over 90 points in one case and less than 60 points in the other case. It should be added, however, that if our tables for wages had been constructed to show the variations in the wages for different kinds of work, instead of the wages of different wage-earners, the concentration around the median would be somewhat less marked.

*d.—Relative Wages and Relative Prices at Retail.*

Again the data for comparison are presented in the form of a table and a chart. Retail-price fluctuations have been shown to deviate from wholesale-price fluctuations in much the same way as the latter deviated from the fluctuations of gold. When we put the deciles for retail prices side by side with the deciles for wages, we therefore find a much closer correspondence than that between wholesale prices and wages. Retail prices appear to have stood higher in 1861-'63 in comparison with their level in 1860 than did wholesale prices, but they advanced less rapidly in 1864 and 1865, and did not reach their maximum until 1866. Thereafter, also, they fell more slowly until 1879, and rose less sharply in



TABLE 67.

*Relative rates of wages of employees of manufacturing industries in Eastern States, and relative retail prices:*  
1860-1880.

NOTE.—The relative retail prices are taken from Table 21. The relative rates of wages are taken from Table 65.

Date	Charac- ter of data	No. of wage- earners	Low- est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1860 Jan.	Wages	3683	100	100	100	100	100	100	100	100	100	100	100
	Prices		100	100	100	100	100	100	100	100	100	100	100
July	Wages	3972	41	98	99	100	100	100	100	100	101	105	137
1861 Jan.	Wages	3519	70	95	99	100	100	100	100	102	107	113	149
	Prices		90	93	98	103	103	104	106	108	113	122	128
July	Wages	3922	60	92	97	98	100	100	100	102	107	116	143
1862 Jan.	Wages	3595	60	94	98	99	100	100	101	105	109	120	200
	Prices		97	103	109	111	113	115	120	128	132	150	211
July	Wages	3723	60	91	97	100	100	102	104	109	113	120	200
1863 Jan.	Wages	3060	54	98	100	103	105	109	113	117	123	142	240
	Prices		113	120	125	129	140	143	151	154	167	185	319
July	Wages	3749	42	100	103	106	111	114	115	121	126	142	240
1864 Jan.	Wages	3929	75	100	109	114	120	124	130	136	142	164	280
	Prices		133	136	153	156	160	170	186	188	205	236	454
July	Wages	4457	68	108	117	125	130	135	140	148	155	168	280
1865 Jan.	Wages	3960	63	117	127	134	141	148	152	159	169	179	320
	Prices		144	149	160	168	174	176	190	206	216	230	411
July	Wages	4328	67	125	132	140	145	151	155	163	169	178	320
1866 Jan.	Wages	4643	77	126	141	146	153	163	168	174	177	185	280
	Prices		141	147	155	166	170	180	185	200	215	224	334
July	Wages	4931	73	132	146	150	156	158	167	175	180	186	280

TABLE 67—(CONTINUED).  
*Relative rates of wages of employees of manufacturing industries in Eastern States, and relative retail prices:*  
 1860-1880.

Date	Charac- ter of data	No. of wage- earners	Low- est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1867 Jan.	Wages	5183	63	137	148	152	161	172	177	182	182	188	302
	Prices		127	138	149	165	170	172	177	188	212	217	263
July	Wages	4989	74	137	149	155	160	163	172	179	184	194	280
1868 Jan.	Wages	4587	73	134	148	154	163	167	175	176	184	191	280
	Prices		116	133	147	161	168	174	179	185	196	211	232
July	Wages	4976	80	137	148	156	165	171	175	180	185	200	280
1869 Jan.	Wages	4862	63	138	150	156	165	174	178	184	193	204	280
	Prices		98	133	146	156	162	164	172	179	187	203	209
July	Wages	5555	63	141	153	161	169	175	180	189	205	212	325
1870 Jan.	Wages	5505	77	138	151	160	167	175	180	188	200	208	325
	Prices		91	128	140	150	155	157	162	169	176	194	208
July	Wages	5463	75	134	150	160	167	175	179	184	203	209	325
1871 Jan.	Wages	5303	71	134	151	162	169	178	184	191	198	205	325
	Prices		69	121	131	137	144	146	152	157	164	175	194
July	Wages	5799	78	138	153	163	173	179	189	196	200	207	301
1872 Jan.	Wages	5259	73	134	150	159	169	174	179	196	200	217	307
	Prices		66	116	131	136	139	144	149	153	163	170	193
July	Wages	6130	80	139	155	165	175	180	190	200	204	213	307
1873 Jan.	Wages	5180	80	136	150	159	166	175	182	186	198	212	304
	Prices		61	112	126	131	134	137	147	151	159	167	187
July	Wages	5428	74	136	153	161	171	176	187	195	206	222	304

TABLE 67—(CONCLUDED).  
*Relative rates of wages of employees of manufacturing industries in Eastern States, and relative retail prices:*  
 1860-1880.

Date	Charac- ter of data	No. of wage- earners	Low- est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1874 Jan.	Wages	5098	51	133	147	155	163	170	180	185	195	204	300
	Prices		55	111	123	127	131	136	144	147	157	162	181
July	Wages	5181	51	138	150	158	166	173	177	185	191	204	336
1875 Jan.	Wages	4617	57	130	143	149	157	161	168	175	181	199	297
	Prices		51	109	122	125	127	134	139	145	150	159	169
July	Wages	5068	57	130	143	146	154	160	164	173	179	195	329
1876 Jan.	Wages	4341	57	125	137	144	149	156	163	175	179	191	403
	Prices		49	107	116	124	127	129	135	141	148	156	165
July	Wages	5070	57	124	132	139	143	150	155	163	173	180	286
1877 Jan.	Wages	4710	56	119	125	133	142	146	151	156	166	176	270
	Prices		50	102	111	116	122	127	131	139	147	152	171
July	Wages	5200	56	118	125	131	136	141	147	154	163	174	267
1878 Jan.	Wages	4891	57	115	125	129	137	142	150	155	168	176	267
	Prices		41	96	104	115	121	122	128	131	139	143	165
July	Wages	5186	57	115	123	127	131	140	148	153	167	176	283
1879 Jan.	Wages	4864	47	113	122	125	131	140	144	152	166	176	261
	Prices		36	95	103	113	118	118	121	127	136	145	162
July	Wages	5504	47	114	120	125	129	136	142	150	160	178	269
1880 Jan.	Wages	5376	52	117	122	125	130	137	142	155	166	178	254
	Prices		35	95	102	114	116	118	127	131	135	144	167
July	Wages	6183	57	115	127	132	135	140	150	155	164	177	311

1. The first part of the document is a list of the names of the persons who were present at the meeting.



1880. In all these respects their movements are more like the movements of wages. Still, important differences remain in that wages advanced from 1866 to July, 1872 while retail prices were falling; wages fell more rapidly from 1873 to 1879 than did retail prices, and exhibited greater changes between 1879 and 1880.

*e.—Relative Wages and Relative Cost of Living.*

The preceding comparisons between the fluctuations of relative wages on the one hand and gold, prices at wholesale, and prices at retail on the other hand, are interesting to students of money and prices, because they show characteristic differences in the promptness and completeness with which different classes of money prices (in the large sense) are readjusted to meet the conditions created by the transition from a monetary standard of specie to one of irredeemable paper. But they do not answer well the question of greatest social interest:—namely, How did the issue of the greenbacks affect the economic fortunes of wage-earners?

The best way of seeking an answer to this question from our material is to compare our standard table of wage-deciles with the arithmetic means of relative cost of living in the eastern states. The deciles for cost of living represent changes in the relative money cost of successive tenths of the items which make up typical workingmen's family budgets. Since a family is interested in the average change in the money cost of what it consumes as a whole, these deciles are of little significance. Further, the median is clearly a less significant form of average here than the arithmetic mean; for the latter shows the net result of all changes in the cost of articles consumed more accurately than the former. Finally, the figures for the cost of living are for the eastern states alone, because our table of wages contains practically no data for establishments west of Pennsylvania. In the table which presents these two sets of figures the relative cost of living is placed each year between the January and July wage-deciles which it most nearly equals. The chart, however, shows the situation more clearly than the table.

The data indicate that the advance of retail prices in 1861 put nearly nine-tenths of the wage-earners for whom we have data in

TABLE 68.

*Relative rates of wages of employees of manufacturing industries in Eastern States, and relative cost of living: 1860-1880.*

NOTE.—The figures for relative cost of living are taken from Table 28; those for relative rates of wages from Table 65. Regarding the position of the figures for relative cost of living, see p. 241.

Date	Charac- ter of data	No. of wage- earners	Low- est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1860 Jan.	Wages C of L	3683	100	100	100	100	100	100	100	100	100	100	100
July	Wages	3972	41	98	99	100	100	100	100	100	101	105	137
1861 Jan.	Wages C of L	3519	70	95	99	100	100	100	100	102	107	113	149
July	Wages	3922	60	92	97	98	100	100	100	102	107	111	143
1862 Jan.	Wages C of L	3595	60	94	98	99	100	100	101	105	109	120	200
July	Wages	3723	60	91	97	100	100	102	104	109	113	128	200
1863 Jan.	Wages C of L	3060	54	98	100	103	105	109	113	117	123	142	240
July	Wages	3749	42	100	103	106	111	114	115	121	126	137	240
1864 Jan.	Wages C of L	3929	75	100	109	114	120	124	130	136	142	164	280
July	Wages	4457	68	108	117	125	130	135	140	148	155	163	280
1865 Jan.	Wages C of L	3960	63	117	127	134	141	148	152	159	169	179	320
July	Wages	4328	67	125	132	140	145	151	155	163	169	175	320
1866 Jan.	Wages C of L	4643	77	126	141	146	153	163	168	174	177	185	280
July	Wages	4931	73	132	146	150	156	158	167	175	180	186	280

TABLE 68—(CONTINUED).  
*Relative rates of wages of employees of manufacturing industries in Eastern States, and relative cost of living: 1860-1880.*

Date	Charac- ter of data	No. of wage- earners	Low- est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1867 Jan.	Wages	5183	63	137	148	152	161	172	177	182	182	188	302
	C of L						164						
July	Wages	4989	74	137	149	155	160	163	172	179	184	194	280
1868 Jan.	Wages	4587	73	134	148	154	163	167	175	176	184	191	280
	C of L						165						
July	Wages	4976	80	137	148	156	165	171	175	180	185	200	280
1869 Jan.	Wages	4862	63	138	150	156	165	174	178	184	193	204	280
	C of L						163						
July	Wages	5555	63	141	153	161	169	175	180	189	205	212	325
1870 Jan.	Wages	5505	77	138	151	160	167	175	180	188	200	208	325
	C of L					157							
July	Wages	5463	75	134	150	160	167	175	179	184	203	209	325
1871 Jan.	Wages	5303	71	134	151	162	169	178	184	191	198	205	325
	C of L				148								
July	Wages	5799	78	138	153	163	173	179	189	196	200	207	301
1872 Jan.	Wages	5259	73	134	150	159	169	174	179	196	200	217	307
	C of L				147								
July	Wages	6130	80	139	155	165	175	180	190	200	204	213	307-
1873 Jan.	Wages	5180	80	136	150	159	166	175	182	186	198	212	304
	C of L				149								
July	Wages	5428	74	136	153	161	171	176	187	195	206	222	304



TABLE 68—(CONCLUDED).

*Relative rates of wages of employees of manufacturing industries in Eastern States, and relative cost of living: 1860-1880.*

Date	Charac- ter of data	No. of wage- earners	Low- est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High- est
1874 Jan.	Wages C of L	5098	51	133	147	155	163	170	180	185	195	204	300
July	Wages	5181	51	138	150	158	166	173	177	185	191	204	336
1875 Jan.	Wages C of L	4617	57	130	143	149	157	161	168	175	181	199	297
July	Wages	5068	57	130	143	146	154	160	164	173	179	195	329
1876 Jan.	Wages C of L	4341	57	125	137	144	149	156	163	175	179	191	403
July	Wages	5070	57	124	132	139	143	150	155	163	173	180	286
1877 Jan.	Wages C of L	4710	56	119	125	133	142	146	151	156	166	176	270
July	Wages	5200	56	118	125	131	136	141	147	154	163	174	267
1878 Jan.	Wages C of L	4691	57	115	125	129	137	142	150	155	168	176	267
July	Wages	5186	57	115	123	127	131	140	148	153	167	176	283
1879 Jan.	Wages C of L	4864	47	113	122	125	131	140	144	152	166	176	261
July	Wages	5504	47	114	120	125	129	136	142	150	160	178	269
1880 Jan.	Wages C of L	5376	52	117	122	125	130	137	142	155	166	178	254
July	Wages	6183	57	115	127	132	135	140	150	155	164	177	311

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a worse position than they had held in 1860. In 1862 the situation became a trifle worse and it did not improve materially until 1866. If our figures give a fair picture of the situation, the period of advancing prices must have forced painful economies upon the vast majority of working-men's families. The low level of relative real wages in 1865 explains why money wages should have continued to advance after the end of the war. The decline of prices in 1866 still left nearly seven-tenths of the wage-earners for whom we have data worse off than in 1860; but the greater fall of prices in 1867, together with the further increase of wages, reduced this proportion to about four-tenths. The wage-changes from 1867 on, therefore, cannot be explained as a defence of the standard of living prevailing in 1860. In other words, the advance in money wages from 1867 to 1872 represents a real improvement in the position of wage earners—very slow from 1867 to 1869, faster in the next two years. After the crisis of 1873, the figures indicate that rates of wages and money cost of living declined at about the same pace until 1876; but in 1877 working-men seem to have lost some ground which they did not recover until 1880. In that year practically four-fifths of the whole number were in a better position than they had been in 1860, and the majority in a decidedly better position.

It would be an error, however, to accept these figures of relative rates of wages and relative cost of living as an accurate indication of the changes in the economic position of the whole body of American wage-earners during the years of the paper standard. First, we cannot assume a high degree of accuracy in our figures for cost of living. As was pointed out in Chapter III, the materials from which they are constructed leave much to be desired in point of fullness. But there is no reason to doubt that they afford a better indication of the changes in cost of living than the figures for prices at wholesale or the unweighted figures for prices at retail. Nor have we any information which discredits them as a rough index of the general trend of changes in cost of living. They would have to be proved seriously out of the way to invalidate the broad conclusion which it is sought to base upon them.

Second, reasons have been given for believing that our deciles for wages err by overstating somewhat the advance in rates of wages during and perhaps after the Civil War, and by understating somewhat the decline in rates of wages after the crisis of 1873. Allowance for this probable error can be made, but vaguely, by saying that the price-changes during the war were probably even more unfavorable to wage-earners than the figures suggest, and that the price-changes after 1873 probably deprived wage-earners of a larger part of the gains made between 1865 and 1872 than the figures suggest. In these statements the term price-changes covers, of course, changes both in the prices received by wage-earners for their labor and the prices paid by them for articles of family consumption.

Third, to measure changes in the economic prosperity of wage-earners in a satisfactory fashion by the use of tables of cost of living, it is necessary to know how the annual money incomes of wage-earners have changed. This information is not supplied by tables of relative wages, no matter how accurate they may be. For variations in constancy of employment are of not less importance in determining changes in wage-earners' incomes than are variations in the daily rates of pay. Unfortunately we have no independent information on this subject of sufficiently definite character to admit of quantitative formulation. Our own table, however, shows that in the 74 establishments which it embraces marked changes took place in the number of persons employed. Taking the mean between the figures for January and July of each year as a basis for comparison, we find the numbers declining from 1860 to 1863, then increasing until 1872 (except for temporary pauses in 1865 and 1868), falling off in the times of depression following the panic of 1873 to a low point in 1876, then rising slowly till the middle of 1879 and finally leaping forward under the stimulus of the business revival occasioned by the crop conditions of that year. What we know from other sources regarding business conditions from year to year makes it highly probable that these changes in numbers employed in our 74 establishments can be accepted as broadly typical of the business demand for labor throughout the northern states. From these changes in number of employees it is safe to draw certain broad

conclusions regarding the relative constancy of employment offered to wage-earners in these establishments. In 1861 the decline in real wages was greater than the comparison between rates of wages and cost of living suggests, because a considerable number of men were thrown out of employment for at least part of the year by the business difficulties which followed secession. The same remark seems applicable to 1862 and 1863; but the decline in the number of men employed by our business establishments may have been due, not so much to lack of work, as to large enlistments. In 1864, however, the still larger numbers of the federal armies did not prevent our establishments from securing a larger force than they had had in 1860—though the increase is hardly greater than might be expected in four years. The improvement in real wages which Table 69 indicates as following the close of the war, appears greater rather than less in the light of the data for numbers employed. For, except in 1868, a steady increase in the demand for labor and hence in steadiness of employment is indicated. But the conclusion regarding real wages after the crisis of 1873 requires serious modification. Table 69 indicates that the position of workmen hardly changed between 1871 and 1876, because the changes in wage-rates and in cost of living were nearly the same. From what we know of business conditions, however, and from what our data for number of employees show, it is practically certain that during these years wage-earners suffered a serious decline in real incomes because of lack of work. On the other hand, there must have been a larger gain in real incomes after July, 1879, than Table 69 indicates, because of the sudden increase in the demand for labor.

A summary of these various conclusions about real wages cannot be made in very definite terms, because we cannot frame quantitative statements of (1) the changes in constancy of employment, or (2) of the exaggeration, probably contained in our table, of the advance in money wages from 1860 to 1872, or (3) of the probable under-statement of the decline in money wages from 1873 to 1879. But it does seem safe to say this much: (1) Practically all wage-earners suffered a loss of real wages in 1861, due in part to an advance in the cost of living without a corresponding advance in money wages, and in part to a smaller demand for

labor. (2) Their condition probably grew worse rather than better in 1862, and improved but little in 1863. (3) In 1864, however, a decided improvement probably took place; for, though the cost of living continued to rise as rapidly as the money wages of factory hands, the demand for labor became greater, and a large number of salaried people began to get substantial increases in pay. (4) How 1865 compared with 1864 is uncertain; but in the years 1866 to 1872 wage-earners undoubtedly made great gains, and the majority probably attained a position decidedly better than their fellows had enjoyed in 1860. For money wages increased on the whole, salaries were raised, cost of living declined, and demand for labor was active during most of the time. (5) These large gains over 1863 and the smaller gains over 1860 were in large measure lost during the years of depression which followed the crisis of 1873. Our table indicates a substantial equivalance in the fall of money wages and the cost of living; but when we combine the more rapid fall of wages in the western states and among farm laborers with the diminished opportunities for employment, it appears certain that annual money incomes diminished much more rapidly than living expenses. It is not improbable that from 1876 to 1878 wage-earners were on the whole considerably worse off than they had been in 1860. Salaried people, however, fared better, and the majority who kept their positions were probably more benefited by the fall of prices than injured by reductions of pay. (6) Finally, a quick and large improvement began in the summer and autumn of 1879. Wages increased faster than living expenses, and demand for labor suddenly became brisk. The conclusion suggested by Table 69 that wage-earners were in a better position in 1880 than they had been in 1860 is probably just.

## CHAPTER V.

THE INTER-RELATIONS BETWEEN THE FLUCTUATIONS IN THE PRICES  
OF GOLD, OF COMMODITIES AT WHOLESALE, OF COMMODITIES  
AT RETAIL, AND OF LABOR.*I.—The Price-Revolutions of the Greenback Period and their  
Causes.*

The period of the greenback standard forms a curiously complete episode in the history of American prices. During these 17 years the whole complex system of money prices underwent two revolutions—first a great rise, then a great fall. The preceding chapters show that the price-fluctuations of both revolutions were extraordinary in violence, rapidity, variety, and inclusiveness. Not only commodities at wholesale—which alone are commonly taken to represent the price-level—; but also commodities at retail and labor fluctuated in price through wide ranges. Seldom has a highly organized business community carried on its transactions for 17 years on the basis of such unstable prices.

The chief cause of both these price-revolutions was the monetary policy of the federal government. No other conclusion is admissible in face of the evidence adduced to show the vast difference between the fluctuations in wholesale prices of identical lists of commodities in the United States on the one side, and in England and Germany on the other side (see Tables 6-11). Before the war, when a specie standard existed in both the United States and these countries, the American and European price levels were in fairly close agreement. Such agreement continued from 1862 to 1878 between the price levels of England and Germany (Table 12). But suspension of specie payments at the end of 1861, followed by the issue of the greenbacks early in 1862, gave the United States a monetary standard all its own, and permitted American prices at wholesale first to double and then to fall below their original level at a time when European prices



varied but little in comparison. So soon, however, as the success of the effort to resume specie payments became practically assured, the fluctuations of American prices were brought again into fairly close correspondence with the fluctuations of European prices.

The deviation of the greenback dollar from its nominal value in terms of the specie standard existing before 1862 in the United States, and existing all the time in England and Germany, then, was the fundamental factor in producing the revolutions in prices. But there were, of course, other factors which had an effect upon the price-level of commodities at wholesale and retail, and upon the price-level of labor. During the period of the greenback standard the United States suffered a civil war which seriously deranged the processes of production and consumption; its tax system was made over to provide revenue for the war and then revised on the return of peace; its population increased one-half; its agricultural conditions were changed by bringing immense stretches of prairie under the plow; its factories multiplied in number and increased in effectiveness; its railway mileage more than doubled; its business men shared in the world-wide speculative movement of the early '70's, the crisis of '73, and the profound depression of the later '70's. These changes in the economic situation would have caused fluctuations of the price-level had the specie standard been maintained without interruption; they had an effect upon the fluctuations of the price level which did occur under the greenback standard.

To give an adequate account of prices between the suspension and resumption of specie payments it would be necessary to investigate these changes and to analyze their economic consequences. A large body of evidence different in character from what has been presented in the previous chapters would have to be collected and sifted. Intimate acquaintance with many matters ignored here would have to be gained. The present volume does not afford a basis sufficiently broad for an adequate account, because it is limited to the presentation of material regarding different classes of prices. All that is feasible with the statistical apparatus which has been presented is to discuss (1) the relations between the fluctuations of the specie value of the greenback dol-

lar, as represented by the price of gold, and the fluctuations of prices at wholesale; and (2) the relations between the fluctuations in prices at wholesale and the fluctuations in prices at retail, cost of living, and prices of labor.

*II.—Relations between the Price of Gold and the Prices of Commodities at Wholesale.*

It was shown in Chapter II that the fluctuations of average relative prices at wholesale bore a marked resemblance to the fluctuations in the price of gold. This resemblance, however, was only general. Average relative prices advanced less rapidly than gold during the war, reached their maximum six months later, declined much more slowly from 1865 to 1875, and declined faster from 1875 to 1878. Further, even the general resemblance held only for average relative prices. The relative prices of most commodities taken singly differed widely from the movements of gold, and the relative prices of our full list of 92 commodities continually covered a much wider field of variations than did gold. (See Chapter II, Section iv).

The purpose of the present section is to explain these facts so far as is possible on the basis of the material which has been presented. No attempt is made to account for the variations in the specie value of the greenback dollar, for such an attempt would require full investigation of another field. But, accepting these variations as facts, the question is asked: Why did the prices of commodities and gold, both expressed in greenback dollars, rise and fall together, and why was not the harmony between their movements more perfect?

A causal connection between the premium on gold and wholesale prices is clear with reference to two classes of commodities:—namely, commodities exported from the United States to, or imported into the United States from countries with a specie standard. For American exporters and importers had to conduct their business transactions on the basis of specie prices abroad and the far higher currency prices at home, and the relation between these two elements in their calculations depended on the premium charged for gold in New York. The whole matter can

be best elucidated by following the series of transactions necessary in buying and selling such goods.

American importers bought their goods in Europe at prices quoted in specie, and usually paid by remitting bills of exchange on London, Amsterdam, Paris, or Hamburg. The cost of their goods in terms of American currency was therefore represented by the prices which they paid for these foreign bills in New York. Since these bills were orders for certain sums of foreign monetary units of gold or silver, their currency prices in New York followed the fluctuations in the price of gold.

Tables published in the *Annual Reports of the Chamber of Commerce of the State of New York* show how close was the sympathy between the quotations for gold and for foreign bills of exchange. For example, on the 4th of December, 1863, sixty-day bankers' bills on London were quoted at 167 to 168, though the mint par between England and the United States was 109.45% cents=54 *d.*<sup>1</sup> The wide discrepancy between the quotations and par was due, of course, to the fact that gold was selling that day at 152½ to 152¾. Dividing the quotation for sterling bills by the price of gold gives a gold quotation which is close to par, viz.: 109.5 to 110.0 Similarly, bills on Paris were quoted at 3.40 to 3.35, though the mint par was francs 5.18=\$1. Multiplying the quotation by the price of gold gives as the gold quotation for French bills 5.18 to 5.12. Once more, bills on Amsterdam were quoted at 61½ to 62½, though the mint par was 40.2¢=1 guilder. Dividing the quotation by the price of gold gives 40.33 to 40.92. Finally, bills on Hamburg were quoted at 55 to 56, though the silver *mare banco* was worth about 36.4¢ in American gold. Dividing by the premium gives as the gold price of these bills 36 to 37.

To show the degree of accuracy with which the quotations for bills of exchange followed the changes of the premium from week to week it is sufficient to examine the quotations for sterling exchange. Table 69 shows (1) the weekly quotations of 60-day

<sup>1</sup> This style of quoting sterling exchange arose in colonial days when the Spanish dollar was worth approximately 54 *d.* in English silver coin. The present style of quoting the British pound in dollars and cents (£1=\$4.86.65) was not introduced until January 1, 1874. See "An Act . . . to fix the Par of Exchange," approved March 3, 1873; (17 *Statutes at Large*, 603), and *Report of the Director of the Mint*, 1873.

bankers' bills on London as published in the *Annual Reports of the Chamber of Commerce of the State of New York*; (2) the prices of gold on the corresponding days from Mersereau's *American Gold, 1862-1878*; and (3) the quotients obtained by dividing the first quotations by the second.<sup>2</sup> These quotients are the nearest approach we can make to gold prices for sterling exchange from 1862 to 1864. They hover around mint par—109.45%—,

TABLE 69.

*Currency and gold prices of sterling exchange in New York: by weeks, 1862-1864.*

NOTE.—The quotations are for bankers' bills at 60 days' sight, obtained from the *Annual Reports of the Chamber of Commerce of the State of New York*. See p. 252.

Dates 1862		Prices of Exchange in Currency	Prices of Gold in Currency	Prices of Exchange in Gold
January	4	112 — 113	101 $\frac{3}{4}$ — 102	110.1 — 110.8
January	11	113 $\frac{1}{2}$ — 114 $\frac{1}{2}$	103 $\frac{1}{2}$ — 104	109.7 — 110.1
January	18	114 — 114 $\frac{1}{2}$	101 $\frac{3}{4}$ — 102	112.0 — 112.3
January	25	111 — 112	103 — 103 $\frac{1}{4}$	107.7 — 108.5
February	1	113 — 113 $\frac{1}{2}$	103 $\frac{1}{2}$ — 103 $\frac{1}{2}$	109.2 — 109.7
February	8	114 — 114 $\frac{1}{2}$	103 $\frac{1}{2}$ — 103 $\frac{5}{8}$	110.1 — 110.5
February	15	114 $\frac{1}{4}$ — 115 $\frac{1}{4}$	104 $\frac{5}{8}$ — 104 $\frac{3}{4}$	109.7 — 110.0
February	22	114 $\frac{1}{2}$ — 115	103 — 103	111.1 — 111.6
March	1	113 — 114 $\frac{1}{4}$	102 $\frac{3}{4}$ — 102 $\frac{1}{2}$	110.4 — 111.5
March	8	113 — 113 $\frac{1}{4}$	101 $\frac{3}{4}$ — 101 $\frac{3}{4}$	111.1 — 111.2
March	15	111 $\frac{1}{2}$ — 112 $\frac{1}{2}$	101 $\frac{1}{2}$ — 101 $\frac{1}{2}$	109.9 — 110.8
March	22	111 $\frac{3}{8}$ — 112	101 $\frac{1}{4}$ — 101 $\frac{1}{4}$	110.0 — 110.5
March	29	112 — 112 $\frac{1}{2}$	101 $\frac{1}{2}$ — 101 $\frac{1}{2}$	110.3 — 110.8
April	5	112 — 113	101 $\frac{3}{4}$ — 102	109.9 — 110.8
April	12	112 $\frac{3}{4}$ — 112 $\frac{3}{4}$	101 $\frac{3}{4}$ — 102	110.4 — 110.5
April	19	112 $\frac{1}{4}$ — 112 $\frac{1}{2}$	101 $\frac{1}{2}$ — 101 $\frac{1}{2}$	110.6 — 110.7
April	26	112 — 112 $\frac{1}{2}$	101 $\frac{1}{2}$ — 101 $\frac{1}{2}$	110.3 — 110.8
May	3	112 $\frac{1}{2}$ — 113 $\frac{1}{2}$	102 $\frac{1}{2}$ — 102 $\frac{3}{4}$	109.8 — 110.5
May	10	113 $\frac{1}{2}$ — 114	103 $\frac{1}{4}$ — 103 $\frac{3}{4}$	109.9 — 110.3
May	17	113 $\frac{1}{2}$ — 114	103 — 103 $\frac{1}{4}$	110.2 — 110.6
May	24	113 $\frac{3}{4}$ — 114 $\frac{3}{4}$	103 $\frac{3}{4}$ — 103 $\frac{3}{4}$	110.1 — 110.4
May	31	114 $\frac{1}{4}$ — 114 $\frac{3}{4}$	103 $\frac{1}{2}$ — 103 $\frac{3}{4}$	110.4 — 110.9

<sup>2</sup> The days of the months in the table are given as in the *Reports of the Chamber of Commerce*. In 1864, from March 6 to July 31 inclusive, these dates fall on Sunday. I have found no notice in the financial journals that the exchange houses made quotations for Sunday during these months. Perhaps the Sunday dates result from a clerical error on the part of the man who compiled the table in failing to count in the 29th of February; for 1864 was a leap-year. Having no Sunday quotations for gold, I have continued to use the Saturday quotations for purposes of comparison from March to July. Beginning with August 1, 1864, the quotations of both exchange and gold are for Monday.

TABLE 69—(CONTINUED).

*Currency and gold prices of sterling exchange in New York: by weeks,  
1862-1864.*

Dates 1862		Prices of Exchange in Currency	Prices of Gold in Currency	Prices of Exchange in Gold
June	7	114% — 114%	104 — 104 ½	110.0 — 110.3
June	14	114% — 116%	105% — 105%	108.7 — 110.0
June	21	116% — 118	106% — 106 ½	109.3 — 110.8
June	28	118 — 121	109 — 109 ½	108.3 — 110.9
July	5	120 ½ — 122	109 ½ — 109%	110.0 — 111.0
July	12	121 ½ — 130	113% — 114 ½	106.5 — 113.5
July	19	128 — 129	118 ½ — 118 ½	108.2 — 108.9
July	26	129 — 132 ½	117 — 117 ½	110.2 — 112.8
August	2	127 ½ — 129	115 — 115 ½	110.9 — 111.9
August	9	124% — 125 ½	112 ½ — 112%	110.9 — 111.2
August	16	125 — 128	114 ½ — 114%	109.3 — 111.7
August	23	127 — 128	115 ½ — 115%	110.3 — 110.5
August	30	127 ½ — 127%	115% — 115%	110.3 — 110.4
September	6	129 — 130	118% — 119 ½	108.6 — 109.0
September	13	131 — 131 ½	118 — 118 ½	111.0 — 111.2
September	20	129 — 130	116% — 117 ½	110.5 — 111.0
September	27	129 ½ — 132	121% — 121%	106.7 — 108.7
October	4	132 ½ — 135%	122 ½ — 123	108.1 — 110.4
October	11	136 — 141	128 — 128 ½	106.2 — 109.9
October	18	141 ½ — 147	130 — 130 ½	108.8 — 112.8
October	25	141 — 151	130 — 131 ½	108.5 — 115.0
November	1	144% — 145	129% — 131 ½	111.7 — 110.5
November	8	145 — 146	132 — 132 ½	109.8 — 110.2
November	15	146 ½ — 146%	131% — 132	111.2 — 111.2
November	22	144 ½ — 144%	130 ½ — 130%	110.7 — 110.7
November	29	142 ½ — 143	129 — 129 ½	110.5 — 110.6
December	6	145 ½ — 146	130 ½ — 132	111.5 — 110.6
December	13	144% — 145 ½	131 ½ — 132	110.4 — 110.0
December	20	145 ½ — 146 ½	132 — 132 ½	110.2 — 110.0
December	27	145 ½ — 145%	131 ½ — 132%	110.1 — 109.9
1863				
January	3	146 ½ — 148	133 ¾ — 134 ½	109.5 — 110.0
January	10	150 — 152 ½	136 ¾ — 138 ¾	109.6 — 109.9
January	17	161 — 162 ½	146 ¾ — 147%	109.6 — 110.1
January	24	162 ½ — 163	148% — 150	109.5 — 108.7
January	31	171 — 177	159 — 160%	107.5 — 110.1
February	7	169 — 173	156% — 157%	107.9 — 109.6
February	14	170 — 171	155 ½ — 156	109.5 — 109.6
February	21	178 — 180 ½	162 — 163 ½	109.9 — 110.4
February	28	186 — 188 ½	171 ½ — 172 ½	108.5 — 109.3
March	7	167 — 169	154 ¾ — 155 ½	107.9 — 108.7
March	14	168 ½ — 171	157% — 158%	106.8 — 107.7
March	21	170 — 171 ½	153 ¾ — 154 ¾	110.5 — 110.7
March	28	160 — 162	142 ¾ — 143 ½	112.5 — 113.2

TABLE 69—(CONTINUED).

*Currency and gold prices of sterling exchange in New York: by weeks,  
1862-1864.*

Dates 1863		Prices of Exchange in Currency		Prices of Gold in Currency		Prices of Exchange in Gold	
April	4	168	— 172	154 $\frac{1}{2}$	— 155 $\frac{1}{2}$	108.6	— 110.8
April	11	160	— 164	150 $\frac{1}{2}$	— 152 $\frac{1}{2}$	106.3	— 107.5
April	18	166	— 168	151 $\frac{1}{2}$	— 152 $\frac{1}{2}$	109.7	— 110.1
April	25	164	— 166	152	— 154	107.9	— 107.8
May	2	163	— 165	149 $\frac{3}{4}$	— 150 $\frac{1}{2}$	108.8	— 109.6
May	9	167	— 169	149	— 150 $\frac{1}{4}$	112.1	— 112.5
May	16	162 $\frac{1}{2}$	— 164	149 $\frac{1}{4}$	— 150 $\frac{1}{4}$	108.5	— 109.1
May	23	163	— 163 $\frac{1}{2}$	148 $\frac{1}{2}$	— 149 $\frac{1}{2}$	109.8	— 109.5
May	30	157	— 157 $\frac{1}{2}$	144 $\frac{3}{4}$	— 145 $\frac{1}{4}$	108.4	— 108.4
June	6	159	— 160 $\frac{1}{4}$	145 $\frac{1}{4}$	— 145 $\frac{1}{2}$	109.5	— 110.2
June	13	155 $\frac{1}{4}$	— 156	142 $\frac{1}{4}$	— 142 $\frac{1}{2}$	109.1	— 109.5
June	20	155	— 157	143 $\frac{1}{2}$	— 143 $\frac{1}{2}$	108.0	— 109.4
June	27	159	— 160 $\frac{1}{2}$	145	— 145 $\frac{1}{4}$	109.6	— 110.5
July	3	157 $\frac{1}{4}$	— 158 $\frac{1}{2}$	144	— 144 $\frac{1}{4}$	109.6	— 109.9
July	10	143 $\frac{1}{2}$	— 144 $\frac{1}{2}$	132 $\frac{1}{4}$	— 132 $\frac{1}{2}$	108.5	— 109.0
July	17	138 $\frac{1}{4}$	— 139	125 $\frac{1}{4}$	— 126	109.9	— 110.3
July	24	138 $\frac{1}{2}$	— 139 $\frac{1}{2}$	126 $\frac{1}{4}$	— 126 $\frac{1}{4}$	109.8	— 110.5
July	31	141 $\frac{1}{2}$	— 142 $\frac{1}{4}$	128 $\frac{1}{2}$	— 129	110.1	— 110.3
August	7	139 $\frac{1}{4}$	— 140	127	— 127 $\frac{1}{4}$	110.0	— 109.6
August	14	137 $\frac{1}{4}$	— 138 $\frac{1}{2}$	125 $\frac{1}{4}$	— 126 $\frac{1}{2}$	110.0	— 109.5
August	21	137 $\frac{1}{2}$	— 138	125 $\frac{1}{4}$	— 125 $\frac{1}{2}$	109.8	— 110.1
August	28	135 $\frac{1}{2}$	— 136 $\frac{1}{4}$	124	— 124 $\frac{1}{4}$	109.3	— 109.9
September	4	146	— 147	133 $\frac{1}{2}$	— 134 $\frac{1}{2}$	109.4	— 109.3
September	11	142	— 142 $\frac{1}{2}$	129 $\frac{1}{4}$	— 129 $\frac{1}{4}$	109.8	— 109.8
September	18	147	— 147 $\frac{1}{2}$	133	— 133 $\frac{1}{4}$	110.5	— 110.7
September	25	152 $\frac{1}{4}$	— 152 $\frac{1}{2}$	138	— 138 $\frac{1}{4}$	110.3	— 110.6
October	2	156 $\frac{1}{4}$	— 157 $\frac{1}{2}$	142 $\frac{1}{2}$	— 143 $\frac{1}{4}$	110.0	— 110.0
October	9	161 $\frac{1}{4}$	— 162 $\frac{1}{4}$	146 $\frac{1}{4}$	— 147	110.0	— 110.4
October	16	171 $\frac{1}{2}$	— 172 $\frac{1}{4}$	154 $\frac{1}{4}$	— 154 $\frac{1}{4}$	111.3	— 111.7
October	23	157 $\frac{1}{2}$	— 158 $\frac{1}{2}$	145 $\frac{1}{4}$	— 146 $\frac{1}{2}$	108.1	— 108.2
October	30	158 $\frac{1}{2}$	— 159 $\frac{1}{4}$	146	— 146 $\frac{3}{4}$	108.6	— 109.1
November	6	162 $\frac{1}{2}$	— 163 $\frac{1}{4}$	148	— 148 $\frac{1}{4}$	109.8	— 109.7
November	13	161	— 161 $\frac{1}{4}$	147	— 147 $\frac{1}{4}$	109.5	— 109.7
November	20	168	— 168 $\frac{1}{4}$	152 $\frac{1}{2}$	— 153 $\frac{1}{4}$	110.2	— 110.1
November	27	157	— 158	143	— 145 $\frac{1}{2}$	109.8	— 108.6
December	4	167	— 168	152 $\frac{1}{2}$	— 152 $\frac{1}{2}$	109.5	— 110.0
December	11	165 $\frac{1}{4}$	— 165 $\frac{1}{4}$	151	— 151 $\frac{1}{2}$	109.4	— 109.4
December	18	164 $\frac{1}{4}$	— 165 $\frac{1}{2}$	151 $\frac{1}{4}$	— 152 $\frac{1}{2}$	108.6	— 108.5
December	25	166 $\frac{1}{2}$	— 167				
1864							
January	2	166 $\frac{1}{2}$	— 167	151 $\frac{1}{4}$	— 152	109.8	— 109.9
January	9	166 $\frac{1}{2}$	— 166 $\frac{1}{2}$				
January	16	170	— 171	155 $\frac{1}{4}$	— 156 $\frac{1}{2}$	109.2	— 109.3
January	23	174	— 174 $\frac{1}{4}$	156	— 156 $\frac{1}{4}$	111.5	— 111.6
January	30	172 $\frac{1}{2}$	— 173	156 $\frac{1}{4}$	— 157 $\frac{1}{4}$	110.0	— 110.1

TABLE 69—(CONCLUDED).

*Currency and gold prices of sterling exchange in New York: by weeks,  
1862-1864.*

Dates 1864	Prices of Exchange in Currency	Prices of Gold in Currency	Prices of Exchange in Gold
February 6	172 — 172 ½	157 ¾ — 158 ¾	109.0 — 109.0
February 13	174 ¼ — 175	159 ½ — 159 ¾	109.3 — 109.6
February 20	173 — 175	159 ¾ — 159 ¾	108.7 — 109.9
February 27	172 ½ — 173	157 ¾ — 158 ½	109.8 — 109.2
March 6	175 — 175 ½	161 ¾ — 161 ¾	108.3 — 108.2
March 13	177 ¾ — 178	160 ½ — 162	110.6 — 109.9
March 20	175 ¼ — 177	162 — 162 ½	108.2 — 109.3
March 27	178 — 181 ¾	169 ½ — 169 ¾	105.0 — 107.1
April 3	178 — 180 ½	166 ½ — 166 ¾	106.9 — 108.2
April 10	184 ½ — 185	169 ½ — 169 ½	108.9 — 109.1
April 17	186 — 190 ¾	171 — 171 ¾	108.8 — 111.4
April 24	190 — 191	174 ¾ — 177 ½	108.7 — 107.6
May 1	193 — 199	179 ½ — 180	108.6 — 110.6
May 8	195 — 196	172 ¾ — 172 ¾	112.9 — 113.4
May 15	184 ½ — 185 ½	172 — 172 ¼	107.3 — 107.7
May 22	196 — 198	181 ½ — 181 ½	108.0 — 109.1
May 29	201 ½ — 203 ½	186 — 186	108.3 — 109.4
June 5	208 ¾ — 211 ¾	190 ¾ — 191 ¾	109.8 — 110.5
June 12	217 — 218	198 ¾ — 198 ½	109.5 — 109.8
June 19	215 — 218	195 ¾ — 195 ½	110.1 — 111.5
June 26	220 — 236 ½	214 — 220	102.8 — 107.5
July 3	260 — 277 ½	230 — 250	113.0 — 111.0
July 10	285 — 298	260 — 275	109.6 — 108.4
July 17	286 — 305 ½	248 ½ — 261 ¾	115.1 — 116.9
July 24	274 — 282 ½	253 ¾ — 256	108.0 — 110.4
July 31	272 ½ — 277 ½	253 — 258	107.7 — 107.6
August 7	276 — 280	251 — 259	110.0 — 108.1
August 14	278 — 280	256 ¾ — 259 ½	108.3 — 107.9
August 21	274 — 276	255 ¾ — 256 ¾	107.1 — 107.5
August 28	276 — 279	256 ¾ — 257 ½	107.5 — 108.5
September 4	274 — 278	235 ½ — 245	116.5 — 113.5
September 11	233 — 235	235 — 243 ½	107.7 — 104.7
September 18	236 — 261	213 ½ — 225	119.9 — 116.0
September 25	246 — 247 ½	223 ¾ — 226 ¾	109.9 — 109.2
October 2	245 — 247	195 — 198 ½	125.6 — 124.7
October 9	208 ½ — 209	189 — 191 ¾	110.3 — 109.0
October 16	208 ½ — 209	196 — 199	106.4 — 105.0
October 23	108 ¾ — 108 ¾	218 ¼ — 222 ½	
October 30	108 ¾ — 108 ¾	212 ¼ — 216 ¾	
November 6	109 ½ — 109 ½	221 ½ — 227 ¾	
November 13	273 — 273	238 ½ — 245 ¾	114.5 — 111.0
November 20	265 — 265	243 — 246 ¾	109.1 — 107.4
November 27	247 — 247	217 ½ — 221 ½	113.6 — 111.5
December 4	254 ½ — 254 ½	226 ¼ — 233 ¾	112.5 — 108.9
December 11	109 ½ — 109 ½	227 — 229 ¾	
December 18	109 ½ — 109 ½	232 ½ — 237 ½	
December 25	109 ½ — 109 ½	212 ¾ — 217 ¼	

but sometimes deviate from it further than gold quotations would have done; for the dealers in exchange found it difficult to follow the rapid changes of the gold market. This difficulty became so serious in the exciting days of 1864 that the exchange houses dropped the practice of quoting in currency and began to quote in gold. The latter practice was regularly established for all classes of foreign bills by January 1st, 1865.

So long, then, as the importer could buy foreign bills at currency prices in New York, he found that the cost of his foreign goods in terms of dollars and cents was directly subject to the influence of the premium on gold. And when exchange dealers began to quote in gold, the situation was changed in form only. For then the importers had to pay the current premium for gold with which to buy the bills of exchange necessary to pay for their goods.

Since American importers thus found that the cost price of their goods in domestic currency rose with the premium on gold, they were compelled to increase the prices at which they sold these goods in a substantially equal degree. On the other hand, when the premium fell, the cost of foreign goods to importers declined, and the latter were able to reduce their selling prices in substantially equal degree without decreasing their profits. Competition, or a desire to dispose of their stocks quickly, led them to follow this course. Thus business conditions kept the American prices of imported goods in close touch with the price of gold.

The situation of the exporter was similar to that of the importer. He bought goods at paper-money prices in the United States and sold them at specie prices in Europe. To obtain payment he usually drew bills of exchange on his foreign customer and sold these bills to exchange dealers in New York. So long as foreign bills were quoted in currency he received prices which the above data show fluctuated with the premium. After bills began to be quoted in gold he received gold which he thereupon sold at a premium. In either case the exporter's receipts for goods sold varied with the price of gold. This fact controlled in large measure the price the exporter could afford to pay for his goods in the domestic market. When the price of gold declined the exporter had to charge a higher price abroad or pay a lower



price at home. When the price of gold rose he could afford to take a lower price abroad or pay a higher price at home, and competition or the desire to increase his business led him to make one of these concessions. Thus the prices of goods exported in large quantities, like the prices of imports, were directly affected by the fluctuations in the price of gold.

The influence of the premium on the wholesale prices of goods not imported or exported was less direct. But the fact that the prices of the great mass of staple exports and imports rose and fell with gold, was itself a powerful factor in producing similar fluctuations in the prices of goods produced and consumed within the United States. In a modern community the prices of different goods constitute a complexly organized system, in which the various parts are continually being adjusted to each other by intricate business processes. Any marked change in the prices of important goods disturbs the equilibrium of this system, and business processes at once set going a series of readjustments in the prices of other goods to restore it. Thus a cause which directly affects the price of one good only, may indirectly affect the prices of many other goods. Such was the case with the premium on gold during the period of the greenback standard. It directly affected only the prices of goods exported to or imported from countries having specie standards; but indirectly it affected the prices of all goods. Some of the business processes by which its influence was spread may be suggested.

Prices of commodities made from materials exported or imported were readjusted to compensate for the change in the expense of producing them. Prices of domestic commodities produced in competition with foreign goods had an opportunity to rise as the cost of the latter increased, and were forced down as the cost of the latter declined. Prices of goods capable of being substituted for wares imported or exported were kept more or less in harmony with the prices of the latter by shifting demand. And in general, men of all classes found that their business and living expenses were increased when they bought imports or exports, goods made from them, goods made in competition with them, or substitutes for them. These increasing expenses they sought to recoup by charging higher prices for whatever they had to sell.

It would be most interesting to investigate the varying degrees of promptness and completeness with which the prices of these different classes of commodities were readjusted to suit changes in the premium on gold. But our statistical material is not sufficiently complete to make such an investigation satisfactory. There would be required for each class of commodities enough series of quotations to make sure that the average relative prices for each class were not determined primarily by conditions of supply and demand peculiar to the commodities included. But though our material does not suffice for such refined investigation, it does suffice to show that the influence of the premium on gold spread over the whole field of wholesale prices, though with varying degrees of celerity and completeness.

If the reader seeks to test the validity of the preceding statements by turning to the table of the appendix where the series of relative prices at wholesale are given at length, he may form an adverse opinion. For he will find hardly one of the 153 series in which the changes from quarter to quarter correspond accurately with the changes in the premium. But this fact does not in the least discredit what has been said. For the influence of business processes was not to produce even rough identity of fluctuations in the prices of goods and gold; but rather to make currency prices differ from what they would have been on a specie basis by a margin roughly determined by the premium. Therefore only those commodities—if there were any such—which would have remained substantially stable in price from 1862 to 1878 could be expected to show fluctuations in currency prices agreeing closely with the fluctuations in the price of gold. In the case of imported goods, business dealings tended to adjust wholesale prices in American currency to the sum of European specie prices, plus specie cost of transportation, plus specie import duties, multiplied by the price of gold. Goods which fell in price in Europe or goods on which the import duty was reduced, therefore tended to advance less in price than did gold; and goods which rose in price in Europe, or on which the import duty was increased, tended to advance more in price than did gold. A similar statement applies to the prices of exports. Regarding goods other than imports and exports, one can say only that each

commodity was subject to its own particular conditions of supply and demand, that these conditions would have produced a great variety of price-fluctuations on the specie basis, and that the influence of the premium on gold as a price-making factor was in the direction of producing currency prices equal to these hypothetical specie prices multiplied by the price of gold. It is therefore an error to conclude that the connection between wholesale prices and the premium was of slight importance because commodities taken singly diverge widely from the price of gold, or because the general price tables show regularly a much wider field of variation than that covered by the premium.

But if business relationships did not force the prices of commodities singly to comply with the fluctuations of the premium, why did the general price-level rise and fall in substantial harmony with it? The answer is that, however widely single commodities would have varied in price on a specie basis, the average of relative prices would have varied within comparatively narrow limits. Strong probability is lent to this assumption by Sauerbeck's index number for England and Soetbeer's for Germany. Both sets of data, when reduced to the basis: prices in 1860=100, show a slight fall from 1860 to 1863, a slight rise from 1863 to 1866, a slighter fall from 1866 to 1870 in one case and irregular minor fluctuation in the other, a more decided advance from 1870 to 1873, and then a fall to 1878. The maximum variations of the medians for the years of the paper standard are 107 and 88 in England, 113 and 98 in Germany. Somewhat similar would probably have been the course of the wholesale price-level in the United States had specie payments been maintained,—though the civil war, the changes in import duties, and the speculative character of business transactions would perhaps have made the variations somewhat greater. But if we suppose that on the specie basis the American price-level would have conformed in its larger movements to the English and German price-levels, it follows that we might expect our general averages of relative prices in currency to rise slower than the price of gold in 1862 and 1863, faster in 1864 and 1865; to move in general harmony with the premium in 1866 and 1870; then to rise faster or fall slower than the premium until 1873; and finally to fall faster than the premium from 1873 to 1878.

Such in general is the result we do find. But there are several minor deviations from this result, due to the fact that the average of commodity-prices moved more sluggishly than the price of gold. The readjustment of prices effected by business processes required some little time, whereas the premium on gold changed with great rapidity. The result was that the curve traced by the median of relative prices at wholesale appears to be always lagging somewhat behind the curve traced by gold quotations.

These differences between the movements of the premium and the price-level, like the general correspondence between them, were due to the business processes by which prices were determined. (1) The wholesale markets for several of the commodities for which we have quotations were almost as highly organized as the market for gold. Such, for example, was the case with the markets for cotton and wheat. But the markets for the great mass of our commodities were not of this character. Candles, cement, tubs, corn-starch, putty, shovels, pine-boards, dried apples, etc., etc., were not dealt in on exchanges by men alert to every passing change in the business situation, intent to take advantage of every passing difference in quotations, and concerned with no other business problem than buying and selling at a profit. The people who dealt in such goods habitually allowed for a larger margin in their transactions, and found their profits affected by many other matters than the differences between the buying and selling prices of a single commodity. Prices in these loosely organized markets were not readjusted to a new business situation with the celerity characteristic of such a market as that for foreign exchange or gold.

(2) The practice among business men of entering into contracts to receive or deliver goods at stipulated prices for certain periods in the future, interfered with the rapid readjustment of commodity prices whenever the premium on gold changed. To maintain their accustomed rate of profit business men whose contracts secured them supplies at the prices of a previous time were not compelled to advance their selling prices the moment gold rose. So far as competition or the desire to increase custom entered into the business motives for fixing prices in such cases, they tended to prevent prices from rising until new contracts at higher

rates had to be made. And when gold was falling similar conditions prevailed. Men paying high prices on old contracts could not reduce their selling prices without cutting into profits. So far, then, as business was transacted in goods bought or contracted for some time previously, the readjustment of selling prices to the premium was delayed.

(3) It is assumed in the preceding statements that the reason why business men raised the prices of their goods when gold advanced was that otherwise their profits would have been reduced; and the reason why they reduced prices when gold fell was that competition or unwillingness of customers to buy threatened loss of business otherwise. The exactness and promptness with which prices were adjusted to the fluctuations of gold depended, therefore, in large measure on the immediacy of the relation between profits and prices. Any factor which sustained profits without an advance in the selling prices of goods dealt in or manufactured, or reduced profits independently of a reduction of selling prices, tended to prevent business men from raising or lowering selling prices quickly when the premium changed. Such a factor existed in the operating expenses of business establishments. Rent of business premises, salaries of officials, superintendents, and clerks; wages of laborers; fixed charges on permanent investments—the amount of all these expenses changed much more slowly than the gold premium. Therefore, even when an advance in the gold premium immediately caused an equivalent increase in the cost of goods bought, an equivalent increase in selling prices was not necessary to maintain profits at the old level; for these slowly increasing business expenses had their bearing on profits quite as much as the rapidly increasing cost of goods. And when gold was declining, competition keen enough to keep the rate of profits stable would not cause a reduction of selling prices so rapid as the fall of gold—even though the purchase-price of goods fell *pari passu* with the premium—; for operating expenses declined so much more slowly. The relative importance of these expenses, in comparison with the purchase-price of goods bought, varied greatly from establishment to establishment and from commodity to commodity—for example, it was greater on the average in factories than in mercantile establishments, and greater in the case

of finished products than of raw materials—; but wherever it entered at all it retarded the adjustment of prices to the premium.

(4) Finally, it has been pointed out that, though the prices of all commodities felt the influence of the premium, the prices of some felt it less directly than the prices of others. Goods made from imported or exported articles, and substitutes for them, were not affected in price so promptly as the exported and imported articles themselves. Still slower in being reached were commodities which had no relation with imports and exports, but whose prices were finally affected because the general demand for them increased, or because producers found that the expenses of conducting business and of living had advanced.

Analysis of the business situation, then, shows that there is no difficulty in accounting for the fact that the price-level in the United States did not follow perfectly the specie price-levels of Europe and the premium on gold. The character and degree of its deviations from this course can best be shown by a transformation of Table 11, which shows the relative prices of identical lists of commodities (47 in number) in the United States and Germany. Table 70 reproduces the medians and arithmetic means of this table and shows the results of dividing these averages for the United States by the price of gold. The figures for gold used for each year are the averages of the average prices for the four months to which the American price quotations refer. Of the two forms of average the medians are the more significant at least for the years 1862 to 1866, because the arithmetic means of these years are unduly influenced by the exceedingly high relative prices of cotton, cotton textiles, and tar.

This table shows that the American price-level comes much nearer corresponding with the German price-level in its movements when the premium on gold has been allowed for; but it also shows considerable deviations between the revised American and the German price-level, arising from the fact that American prices did not advance, and, still more, did not fall so promptly as the premium. The sharp fall of prices in the United States in 1861 was due to the business crisis—mainly confined to this country—caused by the secession of the southern states. In

TABLE 70.

*Relative prices of 46 commodities in the United States and Germany before and after correcting for the premium on gold in the United States: 1860-1880.*

NOTE.—See p. 263.

Years	Average of premium on gold in Jan., April, July and Oct.	Medians of Rel. Prices United States		Germany	Arithmetic Means of Rel. Prices United States		Germany
		Before correcting for the premium	After correcting for the premium		Before correcting for the premium	After correcting for the premium	
1860		100	100	100	100	100	100
1861		93	93	99	93	93	99
1862	12.0	102	91	96	122	109	102
1863	43.7	131	91	93	155	108	102
1864	98.4	186	94	94	224	113	102
1865	63.1	184	113	93	204	125	98
1866	41.8	160	113	100	177	125	102
1867	38.3	161	116	101	166	120	102
1868	39.3	171	123	100	172	123	100
1869	33.7	166	124	100	163	122	99
1870	16.0	138	119	100	143	123	100
1871	11.7	135	121	102	139	124	104
1872	11.9	141	126	109	142	127	113
1873	13.8	137	120	114	140	123	121
1874	11.2	132	119	107	137	123	114
1875	14.6	119	104	107	130	113	107
1876	11.9	108	97	106	117	105	106
1877	5.2	107	102	103	112	106	104
1878	.9	94	93	93	96	95	97
1879		91	91	91	95	95	93
1880		106	106	97	109	109	98

1862, with the sudden increase of demand in many lines of trade caused by vast government purchases, doubtless prices would have shown a recovery on the specie standard. It is therefore particularly significant that the gold premium advanced faster than prices, causing a further fall of the price-level in terms of gold. In 1863 the premium and prices appear to have kept even pace; but this appearance results from the fact that three contradictory movements are combined in the figures for the whole year. Early in the year gold advanced faster than prices, later it fell faster, at the end it again advanced far faster. Much the same is true of 1864. The table indicates that commodities gained somewhat on gold; but the facts are that from January to July

gold rose with a rush that left prices far behind, and from July to October it fell fast while prices were still rising to recover the ground they had earlier lost. The agreement between the specie price-levels of the United States and Germany during 1863 and 1864 would therefore not appear so striking if the data were for quarters instead of years. But the sudden jump in the specie price-level in 1865 is significant; it shows that American prices did not fall with anything like the rapidity of gold. 1866 is another year in which annual averages are misleading; for gold fluctuated through a wide range; first falling, then rising, then falling again, and each time leaving prices behind. The further advance in the specie price-level in 1867 and 1868 indicated by the medians is misleading for another reason. This advance does not appear in the table for all commodities, and seems to be due largely to the fact that the distribution of the relative prices in the center of the tally-sheets for these years is irregular. The arithmetic means show specie prices lower in both these years than in 1866. With the early '70's we come upon another trace of harmony between the American and German price-levels. One shows 1872, the other 1873, as the year of maximum specie prices. From the year of the crisis to the end of the paper money period also there is agreement in that both price-levels fall and reach almost perfect identity in 1878 and 1879. Commercial conditions and the fall of the premium coöperated to bring this result about in the United States; but the former factor appears to have been the more powerful; for while the premium rose between 1874 and 1875 prices fell decidedly.

Figures in some respects more satisfactory are given in Table 71, which is a similar transformation of the general table of deciles for the relative prices of all our 92 series of wholesale quotations by quarters. This table shows clearly how much faster the premium moved up and down during the years of the war than did prices. Whenever gold rose decidedly specie prices fell, and whenever gold fell decidedly specie prices rose. But prices followed the premium steadily—though at some distance—and after the war stood regularly above it, so that the gold price-level was above 100 constantly from April, 1865, to April, 1876. The highest point was 136 in April, 1866. It was produced by a



TABLE 71.

*Relative wholesale prices of 92 commodities in greenbacks and in gold: by quarters, 1862-1878.*

NOTE.—See p. 265, and compare Table 13.

	January		April		July		October	
	Prices in Green- backs	Gold	Prices in Green- backs	Gold	Prices in Green- backs	Gold	Prices in Green- backs	Gold
1862								
Lowest	63	61	70	69	52	45	65	51
1st decile	80	78	80	79	75	65	81	63
2d decile	89	87	90	89	88	76	91	71
3d decile	93	91	93	92	91	79	100	78
4th decile	96	94	95	94	98	85	102	79
Median	100	98	100	99	100	87	111	86
	102.5		101.5					
6th decile	105	102	103	101	106	92	118	92
7th decile	117	114	117	115	117	115.5	101	125
8th decile	133	130	127	125	127	110	133	128.5
9th decile	150	146	149	147	167	145	165	128
Highest	380	371	370	365	640	554	563	438
1863								
Lowest	75	52	72	48	67	51	67	45
1st decile	93	64	100	66	100	77	100	68
2d decile	100	69	112	74	106	81	112	76
3d decile	109	75	125	83	117	90	120	81
4th decile	117	81	129	85	127	97	129	87
Median	125	86	137	90	134	130.6	103	135
								91
6th decile	132	91	150	151.5	99	144	110	141
7th decile	143	145.1	99	108	157	120	150	147.7
8th decile	159	110	186	123	175	134	170	115
9th decile	193	133	233	154	200	153	200	135
Highest	625	431	675	446	895	685	773	523
1864								
Lowest	69	44	75	43	89	34	94	45
1st decile	114	73	124	72	139	54	147	71
2d decile	127	82	133	77	157	61	166	80
3d decile	140	90	151	87	167	65	174	84
4th decile	145	93	161	93	181	70	194	94
Median	156	155.5	100	169	98	194	75	200
				172.7				207.2
6th decile	166	107	178	103	200	77	217	105
7th decile	178	114	198	115	221	86	237	114
8th decile	200	129	212	123	266	258.1	103	263
9th decile	228	147	261	151	308	119	337	163
Highest	750	482	960	556	1410	546	1101	531

TABLE 71—(CONTINUED).

*Relative wholesale prices of 92 commodities in greenbacks and in gold: by quarters, 1862-1878.*

	January		April		July		October		
	Prices in	Gold	Prices in	Gold	Prices in	Gold	Prices in	Gold	Prices in
	Green-		Green-		Green-		Green-		Green-
	backs		backs		backs		backs		backs
1865									
Lowest	89		41	94	63	79	56	96	66
1st decile	160		74	133	90	105	74	125	86
2d decile	176		81	150	101	128	90	138	95
3d decile	191		88	162	109	138	97	150	103
4th decile	200		93	179	121	150	106	168	115
Median	216	216.2	100	190	128	158	111	175	120
6th decile	241		111	200	135	171	120	200	137
7th decile	256		118	212	143	189	133	216	148
8th decile	272		126	240	162	207	146	243	167
9th decile	318		147	270	182	252	177	277	190
Highest	1096		507	796	536	759	534	833	573
1866									
Lowest	100		71	74	74	89	59	93	63
1st decile	122		87	115	90	120	79	123	88
2d decile	135	140.1	96	126	99	137	90	137	92
3d decile	154		110	149	117	147	97	150	101
4th decile	170		121	161	126	167	110	158	107
Median	182		130	173	136	181	119	173	117
6th decile	200		143	190	149	195	129	181	122
7th decile	209		149	200	157	200	132	199	134
8th decile	232		166	215	169	219	144	212	143
9th decile	277		198	250	196	250	165	263	177
Highest	824		588	833	654	815	538	880	593
1867									
Lowest	89		66	89	66	86	62	87	61
1st decile	112		83	110	81	107	77	109	76
2d decile	125		93	125	92	119	85	123	86
3d decile	142	134.6	105	141	104	136	98	142	99
4th decile	153		114	154	114	147	105	150	105
Median	169		126	166	122	150	108	162	113
6th decile	174		129	175	129	164	118	173	121
7th decile	190		141	197	145	180	129	185	129
8th decile	209		155	207	153	202	145	197	137
9th decile	228		169	228	168	233	167	220	153
Highest	861		640	648	478	870	624	741	516

TABLE 71—(CONTINUED).

*Relative wholesale prices of 92 commodities in greenbacks and in gold: by quarters, 1862-1878.*

	January		April		July		October	
	Prices in Green- backs	Gold	Prices in Green- backs	Gold	Prices in Green- backs	Gold	Prices in Green- backs	Gold
1868								
Lowest	85		61	84	61	82	57	88
1st decile	100		72	100	72	100	70	105
2d decile	119		86	126	91	122	86	121
3d decile	132	138.5	95	135	97	132	93	138
4th decile	150		108	150	108	143	100	150
Median	158		162		117	154	108	159
6th decile	170		123	177	128	173	121	173
7th decile	187		135	188	136	180	126	179
8th decile	200		144	200	144	195	137	196
9th decile	225		162	250	180	206	144	221
Highest	787		568	787	567	435	305	500
1869								
Lowest	82		60	81	61	73	54	68
1st decile	103		76	108	81	100	73	100
2d decile	117		86	125	94	117	86	118
3d decile	132	135.6	97	135	102	134	98	136
4th decile	150		111	146	110	141	104	142
Median	159		117	159	120	158	116	153
6th decile	172		127	172	129	167	123	162
7th decile	180		133	180	135	178	131	177
8th decile	190		140	196	147	187	137	181
9th decile	227		167	220	166	200	147	200
Highest	361		266	377	284	361	265	444
1870								
Lowest	70		58	67	59	67	57	65
1st decile	100		82	100	88	98	84	100
2d decile	112		92	106	94	108	92	104
3d decile	128	121.3	106	123	109	123	105	119
4th decile	140		115	132	117	127	109	129
Median	147		121	140	124	132	113	135
6th decile	152		125	147	130	144	123	147
7th decile	166		137	159	141	161	138	154
8th decile	178		147	174	154	179	153	174
9th decile	200		165	200	177	200	171	192
Highest	352		290	367	324	380	325	324

TABLE 71—(CONTINUED).

*Relative wholesale prices of 92 commodities in greenbacks and in gold: by quarters, 1862-1878.*

	January		April		July		October	
	Prices in Green- backs	Gold	Prices in Green- backs	Gold	Prices in Green- backs	Gold	Prices in Green- backs	Gold
1871								
Lowest	60		54	61	55	64	57	64
1st decile	94		85	100	90	90	80	97
2d decile	105	110.7	95	110	99	102	91	111
3d decile	119		107	121	109	118	105	118
4th decile	127		115	127	115	125	111	125
Median	133		120	131	118	130	116	129
6th decile	141		127	140	127	142	126	142
7th decile	154		139	150	136	149	133	150
8th decile	171		154	164	148	158	141	162
9th decile	189		171	180	163	180	160	182
Highest	343		310	337	305	333	296	361
1872								
Lowest	55		50	55	50	55	48	55
1st decile	100		92	93	84	90	79	97
2d decile	108	109.1	99	105	95	104	91	116
3d decile	121		111	120	108	117	102	122
4th decile	129		118	130	117	125	109	129
Median	133		122	140	126	130	114	133
6th decile	142		130	150	135	144	126	144
7th decile	150		137	159	143	152	133	153
8th decile	164		150	171	154	169	148	173
9th decile	185		170	200	180	198	178	195
Highest	343		314	324	292	330	289	326
1873								
Lowest	55		49	58	49	58	50	58
1st decile	92		82	94	80	92	80	92
2d decile	110	112.7	98	105	89	103	89	104
3d decile	124		110	125	106	114	99	116
4th decile	129		114	130	110	123	106	125
Median	135		120	137	116	130	112	131
6th decile	145		129	147	125	142	123	146
7th decile	153		136	156	132	152	131	151
8th decile	164		146	168	143	168	145	167
9th decile	194		172	200	170	196	169	196
Highest	361		320	333	283	333	288	367

TABLE 71—(CONTINUED).

*Relative wholesale prices of 92 commodities in greenbacks and in gold: by quarters, 1862-1878.*

	January		April		July		October	
	Prices in Green- backs	Gold	Prices in Green- backs	Gold	Prices in Green- backs	Gold	Prices in Green- backs	Gold
1874								
Lowest	58		58		58		58	
1st decile	97		95		95		92	
2d decile	106		106		106		105	
3d decile	115	111.4	116	113.4	111	110.0	112	110.0
4th decile	124		122		118		124	
Median	130		129		130		130	
6th decile	141		140		139		136	
7th decile	150		150		146		142	
8th decile	160		170		166		156	
9th decile	200		200		199		185	
Highest	352		346		352		394	
1875								
Lowest	67		64		55		45	
1st decile	93		92		92		89	
2d decile	103		102		99		99	
3d decile	110	112.5	109		105		106	
4th decile	121		119	114.8	112		110	
Median	127		125		121	114.8	120	116.4
6th decile	133		136		129		129	
7th decile	147		145		140		137	
8th decile	160		152		149		150	
9th decile	193		172		174		162	
Highest	359		407		432		426	
1876								
Lowest	59		61		64		55	
1st decile	89		85		79		80	
2d decile	95		95		91		89	
3d decile	100		103		98		95	
4th decile	109		106		104		101	
Median	117	112.8	115	113.0	110		108	
6th decile	125		125		117	111.9	116	109.7
7th decile	131		131		123		127	
8th decile	144		144		137		140	
9th decile	160		159		156		153	
Highest	398		394		391		393	

TABLE 71—(CONCLUDED).

*Relative wholesale prices of 92 commodities in greenbacks and in gold: by quarters, 1862-1878.*

	January		April		July		October		
	Prices in Green- backs	Gold	Prices in Gold	Prices in Green- backs	Gold	Prices in Green- backs	Gold	Prices in Green- backs	Gold
1877									
Lowest	61		57	41		39	41		40
1st decile	78		73	76		72	75		74
2d decile	89		84	86		81	83		81
3d decile	100		94	92		87	89		86
4th decile	107	106.3	101	100		94	99		93
Median	114		107	108	106.2	102	100		99
6th decile	124		117	119		112	110	105.4	109
7th decile	129		121	126		119	123		117
8th decile	138		130	136		128	133		125
9th decile	160		151	150		141	158		133
Highest	393		370	409		385	391		385
1878									
Lowest	45		44	36		36	36		45
1st decile	74		72	67		67	67		63
2d decile	81		79	76		76	72		69
3d decile	85		83	80		80	77		78
4th decile	90		88	85		84	85		85
Median	99		97	96		95	90		94
6th decile	108	102.1	106	100	100.6	99	97		100
7th decile	117		115	113		112	102	100.5	105
8th decile	125		122	125		124	109		119
9th decile	140		137	142		141	132		137
Highest	382		374	378		376	378		378

sudden drop in the premium accompanied as usual by a much smaller fall of currency prices. In 1867 and 1868 the price-level seemed to be slowly readjusting itself to the premium of about 40 per cent. on gold which ruled during these years with a fair degree of steadiness. But in 1869 the era of rapid railway building—the most conspicuous feature of a great business “boom”—began and caused prices to rise. At the end of the year a large and permanent fall in the premium occurred—from about 37 per cent. in September, 1869, to an average of about 13 per cent. for

the next seven years. Prices responded rather slowly while the business "boom" gathered headway, so that the gold price-level rose in 1870, declined but a trifle in 1871, and rose again in 1872. After the crisis of 1873 the premium remained fairly steady until 1877; but the long delayed readjustment of prices to a lower level proceeded apace under the impetus of business depression. The median of relative prices fell below the monthly premium on gold for the first time in July, 1876. The usual winter rise of prices, combined with a further drop in the premium, carried currency prices higher than gold in the first two quarters of the next year; but from July, 1877, to the resumption of specie payments the median was lower than the premium, so that in 1878 the specie price-level in the United States, like the specie price-levels in England and Germany, was lower than it had been in 1860.

It is not amiss to conclude by repeating that this discussion does not attempt to explain fully the fluctuations of prices at wholesale during the years of the greenback standard; but deals only with the connection between the fluctuations of prices at wholesale and the fluctuations of the premium on gold. It shows (1) that business processes maintained a general harmony between these two sets of fluctuations; (2) that the effect of these processes was not toward producing exact correspondence between the fluctuations of prices and the premium, but toward making the fluctuations of prices differ from what they would otherwise have been by margins set by the premium; and (3) that this result was not accurately produced, because business factors impeded somewhat the quick adjustment of prices to the premium, causing them to rise and fall more slowly. The material provided by our tables does not suffice for more elaborate investigations. The problems remain to be discussed: What factors controlled the premium on gold? Were the fluctuations both of the premium and of prices a consequence of some common cause, such as the changes in the quantity of money? What influence was exercised on the price-levels both of the United States and of European countries by the great economic changes which occurred between 1862 and 1878?

*III.—The Inter-relations between Prices at Wholesale, Prices at Retail, and Prices of Labor.*

The direct influence of the gold premium upon prices was not felt outside of wholesale markets. There was no business reason why shop-keepers should take direct account of the premium on gold in marking their wares, or why employees and workmen should make the premium a factor in their bargaining about rates of wages. But the price-revolutions in wholesale markets, caused by the greenback standard, necessarily spread to retail markets for commodities and to markets for labor. The processes by which this indirect influence of the premium was brought to bear upon these markets, and the degrees of agreement and difference in the fluctuations of prices, are the subjects of this section.

The business process by which the fluctuations in retail prices of commodities were made to correspond roughly with the fluctuations of wholesale prices is too obvious to require explanation. The only difficulty is in explaining why this correspondence was not closer. Both the general tables for wholesale and retail prices (Tables 4 and 21), and the special table for the wholesale and retail prices of identical lists of commodities (Table 23), indicate that the fluctuations of prices at retail deviated from the fluctuations of prices at wholesale in much the same way that the latter deviated from the fluctuations of the premium. That is, retail prices were somewhat slower in rising from 1863 to 1865, and decidedly slower in falling after 1865.

The explanation of these deviations is similar to the explanation above given of the deviations between wholesale prices and gold. First, retail markets are less highly organized than wholesale markets. The sellers and still more the buyers are on the whole less capable and less careful bargainers, less concerned about fractional differences in prices, less intent on finding out where the best prices can be had, and governed less exclusively by business motives in their actions. Convention and the influence of round members impede changes in the retail prices of many articles. For all these reasons retail prices are less sensitive



than wholesale prices to minor changes in the business situation, and less prompt in responding to important changes.

Again, the retail dealer usually sells to-day wares which he ordered months ago. The fact that wholesale prices have fallen since then does not at once make it possible for him to reduce his selling prices without loss of profit. Nor is he always able to advance retail prices the moment wholesale prices rise without risking loss of custom to his competitors, who like himself are still selling the goods they bought before the rise. Wholesale prices of previous months, rather than wholesale prices of to-day, then, are the prices which represent the cost of wares to the retailer and on which he bases selling prices. Of course this fact tends to make retail prices lag behind wholesale prices in their movements.

Once more, the shop-keeper is subject to other costs than the purchase price of his wares, and these other costs have far less mobility than wholesale prices. The rent for his shop, the rates of wages paid to his salesmen, the interest computed on the funds invested in his business, are not subject to frequent changes. To reduce proportionately the selling prices of his wares the moment wholesale prices fall, or even the moment he receives a new consignment of goods bought at lower rates, would reduce his profits because these other expenses run along at nearly the old rates for a considerable time. And, for the same reason, the shop-keeper can make his accustomed profit without advancing the selling prices of his goods proportionately the moment he begins to pay higher wholesale prices.

Finally, the wholesale prices which shop-keepers pay are wholesale prices of finished products. As was incidentally remarked in the preceding section, and as is shown in Tables 72 and 73, finished products vary less in wholesale prices than do raw materials. They advance and recede more slowly and in less extreme degree. Even if retail prices kept even pace with the fluctuations of the wholesale prices of the same wares, they would for this reason move more sluggishly than the general wholesale price-level.

With these facts in mind one has no difficulty in understanding why retail prices rose more slowly than wholesale prices from

1863 to 1865, reached their maximum about a year later, declined more slowly from 1866 to 1879, and rose less sharply in 1880.

The changes in both wholesale and retail prices of commodities bore upon the price of labor. Wholesale prices affected the prices which employers could pay for labor without changing profits. The farmer or the manufacturer whose products had risen in price was in a position to grant an increase in wages, if compelled to do so, without reducing profits below their former level. And when these employers had to sell their products at lower prices, their profits would fall unless they succeeded in reducing the cost of labor. From this point of view there was therefore a business bond between the prices of commodities at wholesale and the price of labor. From the point of view of the laborer, on the contrary, the important commodity-prices were those which affected cost of living. Preceding tables show that the cost of living corresponded rather closely with the general movements of retail prices, but rose and fell more slowly—primarily because of the sluggish movements of house-rents (see Table 27). To maintain his real wages unchanged, therefore, and provided constancy of employment did not vary, the wage-earner must have charged a price for his labor advancing somewhat more slowly than retail prices to a maximum in 1866, and then falling somewhat more slowly to a minimum in 1879.

Had the market for labor offered no independent resistance, the combined effect of these two forces might have produced fluctuations in the price of labor of a type intermediate between the rapid movements of wholesale prices and the slow movements of cost of living. But the preceding tables have shown that nothing of this sort happened. On the contrary, the fluctuations of the price of labor were even slower than the fluctuations of cost of living. Once more, the explanation is to be found in the peculiar characteristics of the market for the goods we are discussing.

In the '60's and, though in somewhat less degree, in the '70's, the labor market of the United States was one in which individual bargaining prevailed. Now the individual laborer is a poor bargainer. He is ignorant of the possibilities of his situation,

exposed to the competition of others with the same disabilities, more anxious to sell than the employer to buy. Moreover, custom in the form of rooted ideas about what is a "fair wage" has a peculiarly tenacious hold upon the minds of both parties in the labor market, weakening the wage-earner's aggression and strengthening the employer's resistance. Finally, as was suggested in the chapter on wages, constancy of employment was probably above the average during the years when prices were rising, and tended to sustain the wage-earner's money income without so considerable an increase in the price of labor as would otherwise have been necessary.

These well-known facts make it seem natural that the price of labor should have advanced less rapidly than the cost of living up to 1866, despite the fact that enlistments in the army took tens of thousands of men out of the labor market during the war. It does not seem so natural that the price of labor should have continued to advance for five or six years after 1866, despite the fact that prices at wholesale and the cost of living were both declining, and that the soldiers were returning to their old occupations. The explanation of this fact is one of the problems which requires for solution other material than our tables afford. But it may be pointed out (1) that it was not until 1867, according to Table 68, that relative wages stood higher than relative cost of living; and (2) that the era of active railway building with its great demand for labor began in 1869. The fall in the price of labor after the crisis of 1873, however, is what the course of wholesale prices and cost of living would lead one to expect. From 1874 to 1879 the price of labor fell faster than the cost of living, as if in a belated attempt to make up for its failure to start promptly on the downward path.

A more definite idea of the relation between the fluctuations of the several classes of prices can be had by recurring to statistical presentation. There are two important industries—the manufacture of cotton and of woolen textiles—for which we have sufficient material to permit a comparison of the fluctuations in the prices of the basic raw material, of important finished products at wholesale (and at retail also in the case of cotton),





and of labor. This material is presented in Tables 73 and 74, and more clearly shown in the accompanying charts. For purposes of comparison the prices of gold are included. To make the figures for the different classes of prices as nearly alike as possible, annual averages are used in place of monthly figures for gold, quarterly figures for wholesale prices, and semi-annual figures for wages. The relative prices for textiles are averages of the relative prices of broadcloths (two qualities), cassimeres (two qualities), checks, horse-blankets, and shawls in the case of wool; and of prints, brown sheetings, bleached sheetings, and tickings in the case of cotton. Arithmetic means are used instead of medians because the groups are so small.

TABLE 72.

*Relative prices and wages in the woolen industry, and gold: by years,  
1860-1880.*

NOTE.—See p. 276.

Year	Gold Average Annual prices	Wool Relative prices	Wages Relative rates	Woolen Textiles Relative prices
1860	100.0	100	102	100
1861	100.0	82	107	99
1862	113.3	100	110	109
1863	145.2	158	117	141
1864	203.3	185	125	169
1865	157.3	172	142	164
1866	140.9	134	151	158
1867	138.2	111	149	134
1868	139.7	94	143	123
1869	133.0	97	148	117
1870	114.9	93	147	116
1871	111.7	110	149	121
1872	112.4	154	148	125
1873	113.8	119	150	126
1874	111.2	115	147	116
1875	114.9	107	151	116
1876	111.5	90	146	104
1877	104.8	92	142	100
1878	100.8	81	146	95
1879	100.0	76	143	102
1880	100.0	109	144	112

TABLE 73.

*Relative prices and wages in the cotton industry, and gold: by years,  
1860-1880.*

NOTE.—See pp. 276, 277.

Year	Gold Av. Annual Price	Cotton Relative Prices	Wages Relative Rates	Cotton Textiles Relative Prices	
				At Wholesale	At Retail
1860	100.0	100	101	100	100
1861	100.0	141	97	98	124
1862	113.3	364	98	161	197
1863	145.2	675	108	292	287
1864	203.3	991	127	462	414
1865	157.3	577	140	411	378
1866	140.9	382	161	320	304
1867	138.2	257	167	227	236
1868	139.7	241	165	181	205
1869	133.0	267	169	174	173
1870	114.9	196	166	159	158
1871	111.7	163	177	146	135
1872	112.4	203	183	151	130
1873	113.8	183	178	140	123
1874	111.2	153	163	124	116
1875	114.9	137	150	112	109
1876	111.5	114	145	93	102
1877	104.8	110	142	87	97
1878	100.8	101	145	79	92
1879	100.0	100	144	79	91
1880	100.0	112	153	90	92

Table 74 and Chart XII give the nearest approach which the data allow to a similar exhibit for all commodities, and all industries. The figures for wholesale prices here are averages of the quarterly medians for each year from Table 4; the figures for retail prices are medians from Tables 21 and 27; and the figures for wages are averages of the semi-annual medians from Table 65. These three tables and three charts indicate that in degree of mobility the different classes of prices rank in the following order:—gold, raw materials, finished products at wholesale, products at retail, cost of living, and labor.







TABLE 74.

*Average annual price of gold, average of quarterly medians of relative prices at wholesale, medians of relative prices at retail, medians of cost of living, and average of January and July medians of relative rates of wages: by years, 1860-1880.*

NOTE.—See p. 278.

Years	Gold	Wholesale Prices	Retail Prices	Cost of Living	Wages
1860	100	100	100	100	100
1861	100	97	104	103	100
1862	113	103	115	112	101
1863	145	133	143	129	112
1864	203	180	170	156	130
1865	157	185	176	168	150
1866	141	177	180	170	161
1867	138	162	172	168	168
1868	140	158	174	161	169
1869	133	157	164	156	175
1870	115	139	157	150	175
1871	112	131	146	147	179
1872	112	134	144	148	177
1873	114	133	137	145	176
1874	111	130	136	145	172
1875	115	123	134	141	161
1876	112	113	129	133	153
1877	105	106	127	132	144
1878	101	95	122	132	141
1879	100	88	118	130	138
1880	100	105	118	132	139

#### *IV.—The Economic Significance of the Price-revolutions of the Greenback Period.*

Writers upon money usually state that it performs three functions, serving as a common denominator of value, a medium of exchange, and a standard of deferred payments. To enumerate the functions of money in this fashion, however, is very far from suggesting the importance of the rôle which money plays in economic life. To understand this rôle attention must be fixed upon the complex mechanism of prices, rather than upon money itself. It is impossible in this place to show the many ways in

which this social mechanism affects economic life; but a brief statement of the relations between prices and fundamental economic processes is required to suggest the significance of the changes in different classes of prices which have been exhibited in the preceding chapters.

From the point of view of the men who direct it, the production of wealth is nowadays a business process of selling goods for more than they have cost, and is conducted for the sake of getting money profits. The technical processes involved in various departments of business—farming, manufacturing, transportation and commerce—are, in the eyes of the business men who direct them, simply subordinate parts of this business process—certain of the steps necessary to make profits by selling at prices which exceed the money cost. It is hardly too much to say that from the standpoint of the business men in control, the production of wealth is simply an incidental feature in the business process of making money.

Alongside these business enterprises incidentally concerned with the production, manufacture, and distribution of material goods, stand the business enterprises concerned with finance:—banks, trust companies, insurance companies, stock and bond houses—in short the whole mechanism of the investment and money markets. These enterprises, like the preceding class, are conducted for the sake of pecuniary profits, and their profits also depend on selling at prices higher than the prices paid. They represent the highest development and the most complex adjustments of the whole business organization, and all other enterprises are bound to them by the various forms of pecuniary obligations.

The distribution of the wealth produced by enterprises of the first sort supported by financial aid from enterprises of the second sort is effected by means of prices. Wages is the price paid for labor, interest the price paid for the use of loan-funds, rent the price paid for the use of material goods which must be returned without substantial deterioration, and profits is the residue of the aggregate prices received after the aggregate prices paid for the factors of production, for materials, etc., have been deducted.





To the individual, indeed, economic welfare depends primarily upon the money income he is able to get under the conditions presented by the price-system, and upon the aggregate prices which he must pay for what he wishes to consume.

Money prices, in brief, are the formal basis on which the economic relations of individuals in modern society are organized and the formal mechanism by which economic processes are carried on. It follows that the economic relations of individuals and the conduct of economic processes are subject to alteration by changes in the system of prices.

The relation between the changes in the system of prices and the economic activity of men is partly a relation of effect, partly one of cause. Most prices result from voluntary agreements entered into by independent individuals or corporations. Even when prices are established by public authority, or practically forced by one party on another, they are a product of man's will and changes are made to suit man's purposes. But it is also true that the system of prices has a quasi-independence of the will of individuals or even of the whole community. It has a logic of its own in the same sense that a mathematical investigation has; it presents technical exigencies in the same sense that a mechanical process does. Men who make use of the system of prices in their economic activity are constrained to obey its logic and to adapt themselves as best they may to its technical exigencies.

These general statements help to suggest the part which the price-revolutions of the greenback period played in the economic history of that time. Perhaps the clearest conception of the price-revolutions is gained by regarding them as changes made by the business community in its effort to adapt itself to the monetary conditions created by an inconvertible paper currency. Why men paid the currency prices they did for gold is a problem which has several times been mentioned only to be set aside as insoluble without more material than has been presented. But, granted the fluctuations of the premium, the fluctuations in the prices of other goods were the adjustments which men using prices as the basis of their economic relations were constrained to make by circumstances beyond their control.

Of course, different classes of men were affected in different ways by price-changes, and in turn used their economic influence to effect changes of different sorts,—so in all cases our figures show the resultants of complex sets of opposing forces. The process of change was attended by serious friction; but the final chart shows that despite this friction the price-system displayed remarkable flexibility. Wholesale prices lagged behind gold, to be sure; retail prices lagged behind wholesale prices, cost of living behind retail prices, and wages behind cost of living. An economic theorist, accustomed to imagine immediate and accurately gauged changes of prices occurring in a frictionless hypothetical market under the stimulus of some “disturbing factor,” might perhaps regard this lagging of one class of prices behind another as an important deviation from the “natural” course of events. But a student of prices in less highly organized business communities, or an economic historian familiar with earlier price-revolutions, would be much more impressed by the rapidity and system with which prices of different classes of goods were changed, than by the lack of completeness in the adjustment.

It is remarkable that these price-revolutions were effected without bringing more serious economic disaster upon the community. The conduct of economic processes by a complex mechanism of prices, supplemented by a complex system of credits, might be expected to produce dire confusion when the prices of different classes of commodities changed so rapidly and in such different degrees. But the flexibility which the price system displayed was an ordered flexibility, and the mutual relations of its different parts were maintained without fundamental change, so that business continued to be conducted in a fairly normal fashion. To be sure, a great business crisis and several years of profound business depression occurred during the period of the greenback standard. But neither can be ascribed in large measure to its influence. For the crisis of 1873 and the resulting period of depression were felt quite as severely in European countries with specie standards. Moreover, the crisis came in the United States after the most startling fluctuations in the prices of gold and commodities had long been passed, and at the end of nearly four years of a relatively stable premium. The

much more extraordinary fluctuations of 1865, when the median of relative wholesale prices fell 58 points in six months, passed without disaster.

But, though these changes in the price-level were effected without producing the catastrophes which might have been expected, they were not without important consequences on the distribution and production of wealth. It has been shown that the real incomes of wage-earners were seriously affected by the changes in cost of living and money wages. It may also be inferred from the tables that the economic welfare of all recipients of fixed incomes was altered more than once. Analysis would also show that the dissimilar fluctuations of wholesale prices and of wages must have influenced profits. And if data were at hand to show variations in the rates of interest on long and short loans it would appear that lending capitalists, like other classes, had their share in the vicissitudes of the period. Finally, changes in the distribution of wealth, particularly changes in profits, in their turn influenced the production of wealth. But these changes in distribution and production cannot be profitably studied without the use of other data than our tables supply.

The tables of this book, then, suggest more problems than they solve. Logically first is the problem of the causes which controlled the specie value of the greenback dollar. Second is the problem concerning the various factors other than the premium on gold which affected prices. Third is the problem how the business community was able to avoid more frequent and more serious disasters from the instability of prices. Finally come the problems just suggested—the consequences of the fluctuations in the prices of different classes of economic goods upon the distribution and production of wealth. The statistical material which is here presented affords an indispensable part of the data required for defining and solving all of these problems; but only a part.





## APPENDIX.

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Much of the material contained in the following tables for the years 1860-1866 was published in slightly different form in

*A History of the Greenbacks, with Special Reference to the Economic Consequences of their Issue.* Volume IX, Second Series, Decennial Publications of The University of Chicago.

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TABLE 1.

*Daily highest and lowest premium on gold and price of greenbacks in gold:  
1862-1878.*

NOTE.—Regarding the sources and arrangement of the following table, see the explanations in Chapter I, Section ii.

TABLE 1.  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	JANUARY			FEBRUARY			MARCH			APRIL		
	Premium on Gold	Price of Greenbacks in Gold		Premium on Gold	Price of Greenbacks in Gold		Premium on Gold	Price of Greenbacks in Gold		Premium on Gold	Price of Greenbacks in Gold	
1	1½—	99.50—98.52	3½—3¼	96.62—96.62	Sunday	2%—2½	97.68—97.56	1%—2	98.16—98.04			
2	1—1¼	99.01—98.77	3%—3½	96.74—96.62	Sunday	2—2½	98.04—97.68	2—2½	98.04—97.92			
3	1—1¼	99.01—98.77	3%—3½	96.62—96.50	1%—1½	98.16—98.04	1%—1½	98.28—98.16	1%—1½			
4	1¾—2	98.28—98.04	3½—3¼	96.74—96.62	2—2½	98.04—97.92	1%—2	98.16—98.04	1%—2			
5	Sunday	Sunday	3%—3½	96.74—96.50	2—2½	98.04—97.92	Sunday	Sunday	Sunday			
6	2¼—2½	97.80—97.56	3%—3½	96.74—96.50	2—2½	98.04—97.92	2%—2½	97.92—97.80	2%—2½			
7	2¾—3	97.32—97.09	3%—3½	96.62—96.62	1%—1½	98.28—98.16	1—2½	99.01—97.92	1—2½			
8	3½—3¾	96.62—96.62	3½—3¼	96.62—96.50	Sunday	Sunday	1%—1½	98.28—98.16	1%—1½			
9	4¼—4½	95.92—95.92	3%—3½	96.50—96.27	2—2½	98.04—98.04	1%—1½	98.28—98.16	1%—1½			
10	4½—5	95.69—95.24	3%—4	96.27—96.15	1%—1½	98.40—98.28	1%—2	98.16—98.04	1%—2			
11	3½—4	96.62—96.15	4—4½	96.15—96.04	1%—1½	98.40—98.40	1%—2	98.28—98.04	1%—2			
12	Sunday	Sunday	4¼—4½	95.92—95.81	1%—1½	98.52—98.52	Sunday	Sunday	Sunday			
13	3—3	97.09—97.09	4%—4½	95.81—95.58	1%—1½	98.52—98.40	1%—1½	98.28—98.16	1%—1½			
14	2¾—3¼	97.32—96.85	4%—4½	95.58—95.47	1%—1½	98.52—98.52	1%—1½	98.28—98.16	1%—1½			
15	2½—2¾	97.56—97.32	4%—4½	Sunday	Sunday	Sunday	1%—1½	98.40—98.40	1%—1½			
16	2¼—2½	97.80—97.56	3%—3½	96.39—96.27	1%—1½	98.52—98.40	1%—1½	98.52—98.40	1%—1½			
17	1¾—2	98.16—98.04	3%—3½	96.74—96.39	1%—1½	98.64—98.52	1%—1½	98.52—98.40	1%—1½			
18	1¾—2	98.28—98.04	3—3½	97.09—96.85	1%—1½	98.52—98.40	1%—1½	98.52—98.40	1%—1½			
19	Sunday	Sunday	3½—3¾	96.85—96.74	1%—1½	98.77—98.64	Sunday	Sunday	Sunday			
20	2¼—2½	97.80—97.56	3%—3½	96.97—96.97	1%—1½	98.77—98.52	1%—1½	98.40—98.40	1%—1½			
21	2¼—2½	97.80—97.56	3%—3½	97.09—97.09	1%—1½	98.77—98.64	1%—1½	98.40—98.40	1%—1½			
22	2¾—2¾	97.44—97.21	3—3	Sunday	Sunday	Sunday	1%—1½	98.40—98.40	1%—1½			
23	3%—3¾	96.74—96.39	3—3½	97.09—96.85	1%—1½	98.77—98.64	1%—1½	98.40—98.40	1%—1½			
24	3%—3½	96.74—96.62	3—3½	97.09—96.85	1%—1½	98.77—98.64	1%—1½	98.40—98.40	1%—1½			
25	3—3¼	97.09—96.85	3—3½	97.09—96.97	1%—1½	98.89—98.77	1%—1½	98.52—98.40	1%—1½			
26	Sunday	Sunday	2%—2½	97.21—96.97	1%—1½	98.77—98.64	1%—1½	98.52—98.40	1%—1½			
27	3—3¼	97.09—96.85	2¼—2½	97.92—97.80	1%—1½	98.77—98.64	Sunday	Sunday	Sunday			
28	3%—3¾	96.74—96.74	2½—2¾	97.92—97.80	1%—1½	98.77—98.64	1%—1½	98.40—98.28	1%—1½			
29	3¼—3¾	96.85—96.74	2½—2¾	97.92—97.80	1%—1½	98.77—98.64	1%—1½	98.28—98.28	1%—1½			
30	3¼—3¾	96.85—96.62	2½—2¾	97.92—97.80	1%—1½	98.77—98.64	2—2	98.04—98.04	2—2			
31	3¼—3¾	96.62—96.50	2½—2¾	97.92—97.80	1%—1½	98.77—98.64	Sunday	Sunday	Sunday			

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.  
1862.

	MAY			JUNE			JULY			AUGUST		
	Premium on Gold	Price of Green- backs in Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Price of Green- backs in Gold
1	2½—2¼	97.92—97.80	Sunday	Sunday	Sunday	Sunday	8%—9¼	91.95—91.53	15¼—15%	86.86—86.39	15¼—15%	86.86—86.39
2	2½—2¼	97.80—97.56	3¼—3%	3¼—3%	96.62—96.50	96.62—96.50	8%—9%	91.85—91.43	15—15¼	86.96—86.77	15—15¼	86.96—86.77
3	2½—2¼	97.56—97.32	3¼—3%	3¼—3%	96.62—96.50	96.62—96.50	9½—9%	91.32—91.32	Sunday	Sunday	Sunday	Sunday
4	Sunday	Sunday	3¼—3%	3¼—3%	96.62—96.50	96.62—96.50	Holiday	Holiday	14%—15	87.24—86.96	14%—15	87.24—86.96
5	3¼—3%	96.97—96.39	3%—4	3%—4	96.50—96.15	96.50—96.15	9½—9%	91.32—91.01	14¼—14%	87.34—87.15	14¼—14%	87.34—87.15
6	2%—3%	97.44—96.74	4—4¼	4—4¼	96.15—95.92	96.15—95.92	Sunday	Sunday	14%—14%	87.24—87.15	14%—14%	87.24—87.15
7	2%—2%	97.68—97.32	4—4¼	4—4¼	96.15—95.92	96.15—95.92	10—10¼	90.91—90.70	14—14%	87.72—87.05	14—14%	87.72—87.05
8	2%—3	97.32—97.09	Sunday	Sunday	Sunday	Sunday	11¼—11½	89.89—89.69	12%—14	88.79—87.72	12%—14	88.79—87.72
9	3%—3¼	96.97—96.85	4¼—4%	4¼—4%	95.92—95.81	95.92—95.81	13%—16%	88.11—85.84	12%—12%	88.89—88.59	12%—12%	88.89—88.59
10	2¼—3%	97.80—96.74	4¼—4%	4¼—4%	96.74—95.69	96.74—95.69	15%—17½	86.49—85.11	Sunday	Sunday	Sunday	Sunday
11	Sunday	Sunday	3%—4¼	3%—4¼	95.47—95.01	95.47—95.01	14%—16	87.15—86.21	12½—13%	88.89—88.20	12½—13%	88.89—88.20
12	3%—3%	96.74—96.50	4%—5¼	4%—5¼	95.47—95.01	95.47—95.01	13%—14%	87.82—87.34	13¼—14¼	88.11—87.53	13¼—14¼	88.11—87.53
13	3¼—3%	96.85—96.74	5¼—5%	5¼—5%	95.01—94.90	95.01—94.90	Sunday	Sunday	14%—14%	87.43—87.34	14%—14%	87.43—87.34
14	3¼—3¼	96.85—96.85	5%—5%	5%—5%	94.67—94.56	94.67—94.56	15¼—16%	86.58—85.93	15¼—15%	86.77—86.30	15¼—15%	86.77—86.30
15	3¼—3%	96.85—96.50	Sunday	Sunday	Sunday	Sunday	16%—17	85.65—85.47	14%—15%	87.15—86.58	14%—15%	87.15—86.58
16	3—3¼	97.09—96.62	6%—6%	6%—6%	93.90—93.68	93.90—93.68	16%—17½	85.65—85.29	14%—14%	87.34—87.24	14%—14%	87.34—87.24
17	3—3¼	97.09—96.97	6—6¼	6—6¼	94.34—93.79	94.34—93.79	17%—18%	84.93—84.12	Sunday	Sunday	Sunday	Sunday
18	Sunday	Sunday	5%—5%	5%—5%	94.90—94.45	94.90—94.45	18%—18½	84.57—84.39	15¼—15%	86.86—86.77	15¼—15%	86.86—86.77
19	3¼—3¼	96.85—96.85	6—6%	6—6%	94.01—93.79	94.01—93.79	19—19¼	84.03—83.88	14%—15%	87.15—86.86	14%—15%	87.15—86.86
20	3¼—3%	96.85—96.74	6%—6%	6%—6%	94.01—93.79	94.01—93.79	19—19¼	83.51—83.33	15¼—15%	86.96—86.77	15¼—15%	86.96—86.77
21	3¼—3¼	96.85—96.62	6%—6%	6%—6%	94.01—93.79	94.01—93.79	Sunday	Sunday	15¼—15%	86.77—86.30	15¼—15%	86.77—86.30
22	3%—3%	96.62—96.50	Sunday	Sunday	Sunday	Sunday	19%—20	83.51—83.33	15¼—16%	86.58—86.02	15¼—16%	86.58—86.02
23	3%—3¼	96.74—96.62	6%—8	6%—8	93.68—92.59	93.68—92.59	19%—20%	83.51—83.33	15¼—15%	86.86—86.30	15¼—15%	86.86—86.30
24	3%—3%	96.74—96.50	8%—8%	8%—8%	92.38—91.95	92.38—91.95	17—18½	85.47—84.39	Sunday	Sunday	Sunday	Sunday
25	Sunday	Sunday	8%—8%	8%—8%	92.38—91.95	92.38—91.95	14%—16%	87.34—85.84	15¼—15%	86.77—86.39	15¼—15%	86.77—86.39
26	4—4	96.15—96.15	8%—9¼	8%—9¼	91.85—91.53	91.85—91.53	17—17½	85.47—85.11	15¼—15%	86.77—86.67	15¼—15%	86.77—86.67
27	4—4¼	96.15—96.04	9%—9¼	9%—9¼	91.43—91.32	91.43—91.32	Sunday	Sunday	15¼—15%	86.77—86.58	15¼—15%	86.77—86.58
28	3%—4	96.27—96.15	9—9%	9—9%	91.74—91.64	91.74—91.64	16%—17%	85.74—85.02	15¼—15%	86.58—86.49	15¼—15%	86.58—86.49
29	3%—3%	96.39—96.27	Sunday	Sunday	Sunday	Sunday	15%—16%	86.39—85.84	16—16	86.21—86.21	16—16	86.21—86.21
30	3%—3%	96.50—96.50	8%—9¼	8%—9¼	91.85—91.53	91.85—91.53	14%—15%	87.43—86.87	15%—15%	86.49—86.39	15%—15%	86.49—86.39
31	3½—3%	96.62—96.50	.....	.....	.....	.....	14¼—15%	87.34—86.67	Sunday	Sunday	Sunday	Sunday

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold	
1	16½—17	85.84—85.47		22—23½	81.17—80.81		29½—31¼	75.15—76.19		28½—31¼	77.82—76.05	
2	16½—16¾	85.84—85.65		22¾—23	81.47—81.30		Sunday	Sunday		31—31¼	76.34—76.05	
3	17¾—18	84.93—84.75		22¾—22¾	81.72—81.55		30½—31¼	76.63—76.05		31—32	76.34—75.76	
4	17¾—17¾	84.93—84.84		22½—23	81.63—81.30		29½—31¼	77.22—76.05		33—34	75.19—74.63	
5	18¾—19½	84.57—83.95		Sunday	Sunday		31¼—32¼	76.05—75.61		31¼—32¼	76.05—75.47	
6	18¾—19¼	84.21—83.88		22¾—24¼	81.38—80.56		31¼—32	76.05—75.76		30½—32	76.63—75.76	
7	Sunday	Sunday		23—23¾	81.30—80.73		31¼—32	75.76—75.47		Sunday	Sunday	
8	18¾—19½	84.21—83.68		24¼—24¾	80.48—80.08		32—32¼	Sunday		31¾—31¼	76.12—76.05	
9	18¾—18¾	84.30—84.12		25¼—26¼	79.84—79.05		Sunday	Sunday		32¾—33	75.40—75.19	
10	18¾—18¾	84.30—84.21		27¼—29	78.59—77.52		32¼—33¼	75.61—75.05		32¾—32¾	75.69—75.47	
11	18¾—18¾	84.21—84.12		28—28¼	78.12—77.97		31—32¾	76.34—75.83		32¾—32¾	75.69—75.61	
12	18½—18¾	84.39—84.21		Sunday	Sunday		31¼—32	76.05—75.76		31¾—31¾	76.05—75.90	
13	18—18¼	84.75—84.57		29—29¼	77.52—77.37		31¼—32	76.05—75.76		31¼—32	76.26—75.76	
14	Sunday	Sunday		31—33	76.34—75.19		31¾—32	76.34—75.76		Sunday	Sunday	
15	17½—17¾	85.11—84.93		32—32¾	75.76—75.33		Sunday	Sunday		31¾—32¼	75.83—75.61	
16	16½—17¾	85.84—84.93		32—32¾	75.76—75.47		32—32¼	75.76—75.61		32—32¾	75.76—75.26	
17	16½—17¾	85.84—85.11		32—32¾	75.76—75.47		31¾—32	76.12—75.76		32¾—33	75.61—75.19	
18	16½—16¾	85.84—85.56		30—30¼	76.92—76.78		31¾—32	76.92—76.34		32¾—32¾	75.69—75.33	
19	16¾—17	85.56—85.47		Sunday	Sunday		30—31	76.78—76.63		32¾—32¾	75.61—75.33	
20	16¾—17¼	85.65—85.38		28¾—29¼	77.75—77.22		30¼—30¾	76.78—76.56		32—32¾	75.76—75.26	
21	Sunday	Sunday		28¾—29¾	77.97—77.07		30¾—30¾	76.78—76.48		Sunday	Sunday	
22	17¾—17¾	85.38—85.11		33—33½	75.19—74.91		30¾—30¾	76.63—76.48		32¾—32¾	75.61—75.40	
23	17¾—18¾	84.93—84.21		32¾—33	75.47—75.19		Sunday	Sunday		32¾—32¾	75.69—75.61	
24	18¾—19	84.30—84.03		31—32	76.34—75.76		30¾—30¾	76.85—76.48		32—32¼	75.76—75.69	
25	20—20¾	83.33—82.82		30—31¼	76.92—76.19		29¾—30	77.00—76.92		Christmas	Christmas	
26	20¼—20½	83.16—82.99		Sunday	Sunday		29¾—29¾	77.37—77.22		31¾—32	75.83—75.76	
27	21¾—21¾	82.39—82.39		30—31¼	76.92—76.19		Thanksgiving	Thanksgiving		31¾—32¾	75.83—75.40	
28	Sunday	Sunday		31¾—32¼	75.97—75.61		29¾—29¾	77.37—77.22		Sunday	Sunday	
29	21¾—23¼	82.14—80.97		31¾—31¾	76.19—75.90		29—29¼	77.52—77.37		31¾—32¾	75.83—75.33	
30	21¼—24	82.30—80.65		30¾—30¾	76.78—76.48		Sunday	Sunday		32¾—33	75.40—75.19	
31				29¾—30	77.23—76.92		.....	.....		33¼—33¾	75.05—74.84	

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	JANUARY			FEBRUARY			MARCH			APRIL		
	Premium on Gold	Price of Green- backs in Gold	Holiday	Premium on Gold	Price of Green- backs in Gold	Sunday	Premium on Gold	Price of Green- backs in Gold	Sunday	Premium on Gold	Price of Green- backs in Gold	Sunday
1												
2	33 3/4—33 3/4	74.84—74.70		56 3/4—59	63.80—62.89	Sunday	71 1/2—71 3/4	58.31—58.22	Sunday	56—57 3/4	64.10—63.34	
3	33 3/4—34 3/4	74.77—74.35		54 1/2—55 1/2	64.73—64.46		71—71 3/4	58.48—58.22		53 1/4—57	65.25—63.69	
4			Sunday	57—58 1/2	63.69—63.09		65—68	60.61—59.52		53—53 1/4	65.36—65.15	
5	34 3/4—35 1/4	74.28—73.94		56 3/4—58	63.85—63.29		57—58	63.69—63.29		54 3/4—55 1/4	64.62—64.41	
6	34—34 3/4	74.63—74.28		57 1/2—58 1/2	63.59—63.09		50—54	66.87—64.94		Sunday	Sunday	
7	34—35	74.63—74.07		56 3/4—57 1/2	63.85—63.34		54 3/4—55 1/2	64.82—64.31		51—52 3/4	66.23—65.41	
8	35 3/4—37	73.60—72.99		Sunday	Sunday		Sunday	Sunday		50—52 3/4	66.67—65.41	
9	38—38 3/4	72.46—72.20		54 1/2—56 1/2	64.73—63.90		55 3/4—57 1/2	64.21—63.59		45 1/2—47	68.73—68.03	
10	36 3/4—38 3/4	73.06—72.07		52 1/2—53 3/4	65.57—64.99		60—63	62.50—61.35		46 1/4—48	68.38—67.57	
11			Sunday	52 1/2—53 3/4	65.57—65.04		57 1/2—58 1/2	63.34—63.09		46 1/4—49	68.26—67.11	
12	40 3/4—42 1/4	71.11—70.30		54 1/2—54 1/2	64.88—64.73		58 1/2—60 1/2	63.09—62.45		50 1/2—52 1/2	66.45—65.57	
13	42—44	70.42—69.44		55 1/2—56	64.46—64.10		59—61 1/2	62.89—62.02		Sunday	Sunday	
14	46 3/4—48	68.14—67.57		55 1/2—56	64.41—64.10		57 3/4—58 3/4	63.39—62.99		57—57 1/2	63.69—63.49	
15	48 1/2—48 3/4	67.51—67.23		Sunday	Sunday		Sunday	Sunday		55—55 3/4	64.52—64.26	
16	45 1/2—45 3/4	68.73—68.61		55 3/4—57 1/2	64.15—63.49		54 1/2—55 1/2	64.73—64.31		52—54	65.79—64.94	
17	46 3/4—47 3/4	68.08—67.74		58 1/2—59 1/2	63.19—62.79		54 3/4—55 1/2	64.67—64.41		52—53 3/4	65.79—65.04	
18			Sunday	60 1/2—62	62.31—61.73		53 3/4—55	65.20—64.52		53 1/2—53 3/4	65.25—65.04	
19	47 3/4—48 3/4	67.68—67.23		61 1/2—64	61.92—60.98		54 3/4—55 1/2	64.57—64.15		51 1/2—52 3/4	66.12—65.52	
20	47 3/4—48 3/4	67.68—67.23		62 1/2—63 1/2	61.54—61.07		54 3/4—55	64.73—64.52		Sunday	Sunday	
21	47 3/4—48 3/4	67.68—67.34		62—63 1/2	61.73—61.16		53 3/4—54 3/4	64.99—64.57		48 3/4—50 3/4	67.23—66.34	
22	47 1/2—48 3/4	67.91—67.34		Sunday	Sunday		Sunday	Sunday		46—47	68.49—68.03	
23	47—48	68.03—67.57		63 1/2—64 3/4	61.16—60.65		51—53 1/2	66.23—65.15		45 3/4—47	68.61—68.03	
24	48 3/4—50	67.40—66.67		67 3/4—71 1/2	59.61—58.31		45 1/2—59	68.73—62.89		48 3/4—50	67.40—66.67	
25			Sunday	71 1/2—72 3/4	58.31—58.01		39 3/4—41 3/4	71.68—70.55		51 1/2—52	66.01—65.79	
26	48 3/4—51 1/2	67.17—65.90		69 3/4—72 1/2	59.00—57.97		39—40 1/2	71.94—71.30		52—54	65.79—64.94	
27	53 1/2—54 3/4	65.25—64.62		69 3/4—71	59.04—58.48		40—40 3/4	71.43—70.98		Sunday	Sunday	
28	52 1/2—54	65.57—64.94		71 1/2—72 1/2	58.31—57.97		42 1/2—43 1/2	70.30—69.87		50—53 3/4	66.67—64.99	
29	53—55 1/2	65.36—64.41					Sunday	Sunday		49 3/4—50 3/4	66.83—66.39	
30	53—58 1/2	65.36—63.19					44 1/2—47 1/2	69.32—67.91		50—50 3/4	66.67—66.39	
31	59—60 3/4	62.89—62.21					48 1/2—50	67.34—66.67		National Fast	National Fast	



TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	MAY			JUNE			JULY			AUGUST		
	Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold	
1	50 ½ — 51 ½	66.34—66.01		46 — 47 ½	68.49—67.80		44 ½ — 45	69.08—68.97		29 ½ — 29 ¾	77.29—77.07	
2	49 ½ — 50 ½	66.73—66.45		46 ¾ — 47 ¾	68.14—67.91		43 ¾ — 44 ¼	69.50—69.32		Sunday		
3	Sunday			46 ¾ — 46 ¾	68.14—68.08		44 — 44 ¼	69.44—69.32		Sunday	78.43—78.28	
4	48 ½ — 50	67.45—66.67		46 — 46 ½	68.49—68.26		Holiday			27 ½ — 27 ¾	77.97—77.67	
5	48 ½ — 51 ½	67.34—66.01		46 — 46 ½	68.49—68.38		Sunday			28 ½ — 28 ¾	78.28—78.20	
6	52 ¼ — 54	65.68—64.94		45 ½ — 45 ¾	68.91—68.79		Sunday	72.46—71.81		Thanksgiving		
7	54 ¼ — 54 ¾	64.83—64.62		43 — 43	69.93—69.93		38 — 39 ¼	75.47—72.20		27 — 27 ¾	78.74—78.28	
8	54 ¼ — 54 ½	64.83—64.73		42 ½ — 42 ¾	70.36—70.24		32 ½ — 31 ¾	76.12—75.90		26 ½ — 26 ¾	79.21—79.13	
9	49 — 50 ½	67.11—66.56		40 ½ — 40 ¾	71.17—70.98		31 ¾ — 31 ¾	76.19—76.05		Sunday		
10	Sunday			41 ¾ — 42	70.55—70.42		32 ½ — 32 ½	75.61—75.47		26 ½ — 26 ¾	79.29—78.90	
11	48 ½ — 49	67.34—67.11		41 ¾ — 41 ¾	70.80—70.73		Sunday			26 ½ — 26 ¾	79.21—79.05	
12	48 ½ — 49 ¼	67.34—67.00		42 ¼ — 42 ½	70.30—70.18		31 ¾ — 31 ¾	76.19—75.97		26 ¾ — 26 ¾	79.29—79.13	
13	49 ¾ — 49 ¾	66.78—66.72		44 ¼ — 46	69.20—68.49		31 ¾ — 31 ¾	76.19—76.05		25 ½ — 26 ¼	78.97—78.74	
14	49 ¾ — 50	66.78—66.67		47 ¾ — 48 ¾	67.68—67.40		26 — 26 ¼	77.59—77.37		25 ½ — 25 ½	79.84—79.05	
15	49 ¾ — 50	66.78—66.67		45 ½ — 45 ¾	68.73—68.61		25 ¾ — 26	79.52—79.37		Sunday		
16	49 ¾ — 50 ¼	66.78—66.56		43 ¾ — 44 ¾	69.87—69.14		25 ½ — 25 ½	79.84—79.84		25 ½ — 25 ½	79.76—79.68	
17	Sunday			43 — 43 ¾	69.93—69.57		Sunday			Sunday		
18	49 ¾ — 50	66.78—66.67		43 ½ — 43 ¾	69.69—69.69		23 ¾ — 25 ¾	81.14—79.76		25 ½ — 25 ¾	79.60—79.52	
19	48 ¾ — 49 ¾	67.51—67.06		Sunday			26 — 27 ¾	79.37—78.51		25 ½ — 25 ¾	79.60—79.60	
20	48 ¾ — 49	67.28—67.11		43 ¾ — 43 ¾	69.75—69.50		24 ¾ — 25 ¾	80.32—79.52		24 ¾ — 24 ¾	80.08—80.08	
21	48 ¾ — 50	67.23—66.67		43 ¾ — 43 ¾	69.75—69.69		25 ¾ — 26 ¼	79.52—79.29		25 ¾ — 25 ¾	79.84—79.76	
22	48 ½ — 49 ¾	67.34—66.78		43 ¾ — 44	69.87—69.44		26 ¾ — 26 ¾	79.29—79.21		24 ¾ — 24 ¾	80.16—80.08	
23	48 ½ — 49 ½	63.34—66.89		44 ¾ — 45 ¾	69.08—68.61		25 ¾ — 25 ¾	79.52—79.44		Sunday		
24	Sunday			44 ¾ — 45 ¾	69.08—68.61		Sunday			24 — 24	80.65—80.65	
25	45 ¾ — 46 ½	68.61—68.26		44 ¾ — 45 ¾	68.97—68.85		27 ½ — 28	78.43—78.12		22 ¾ — 23 ¼	81.88—80.97	
26	43 ½ — 45	69.69—68.97		44 ¾ — 45	69.08—68.97		Sunday			22 ¾ — 23 ¼	81.63—81.14	
27	43 ¾ — 44 ¾	69.63—69.08		45 — 45 ¼	68.97—68.85		27 ½ — 27 ¾	78.43—78.28		24 ¾ — 24 ¾	80.32—80.08	
28	43 ½ — 43 ¾	69.69—69.50		Sunday			27 ¾ — 27 ¾	78.43—78.28		24 — 24 ¾	80.65—80.40	
29	44 ½ — 45 ¼	69.20—68.91		46 ½ — 47 ¾	68.26—67.97		27 ¾ — 27 ¾	78.43—78.28		24 ¾ — 24 ¾	80.16—80.08	
30	44 ½ — 45 ¼	69.03—68.85		46 ¾ — 46 ¾	68.43—68.14		27 ¾ — 27 ¾	78.35—78.28		Sunday		
31	Sunday			.....	.....		28 ¾ — 29	77.92—77.52		27 — 28 ¾	78.74—77.97	

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold	
1	26%—27%	78.82—78.51		40%—40%	71.24—71.24		Sunday	Sunday		48%—48%	67.51—67.40	
2	27%—28	78.48—78.12		42%—43%	70.16—69.81		45%—46%	68.55—68.26		48%—48%	67.34—67.28	
3	29%—34%	77.22—74.49		42%—43%	70.11—69.87		46%—46%	68.43—68.38		51%—52%	66.01—65.57	
4	33%—34%	74.91—74.35		Sunday	Sunday		46	68.49—68.43		52%—52%	65.57—65.47	
5	31%—31%	76.05—75.90		44—44%	69.44—69.08		46%—47%	68.38—67.91		51%—52	65.90—65.79	
6	Sunday	Sunday		46—47%	68.49—67.91		48—48%	67.57—67.23		Sunday	Sunday	
7	33—33%	75.19—75.05		46%—46%	68.38—68.26		46%—47%	68.38—67.85		51—52%	66.23—65.74	
8	32—32%	75.76—75.69		45%—46	68.55—68.49		Sunday	Sunday		48%—49%	67.23—66.89	
9	32%—32%	75.54—75.40		46%—47	68.14—68.03		46%—46%	68.38—68.20		48%—48%	67.34—67.28	
10	31%—31%	76.26—76.12		48%—48%	67.40—67.34		45—45%	68.97—68.73		48%—49%	67.23—66.83	
11	29%—29%	77.29—77.07		Sunday	Sunday		45%—45%	68.79—68.61		51—51%	66.23—66.01	
12	28%—29	77.59—77.52		49%—50%	66.89—66.56		46%—47	68.20—68.03		50%—50%	66.56—66.50	
13	Sunday	Sunday		53%—55	65.05—64.52		47—47%	68.03—67.85		Sunday	Sunday	
14	30%—31%	76.41—75.97		52%—53%	65.57—65.04		46%—47	68.20—68.03		49%—50%	66.78—66.50	
15	31—32%	76.34—75.69		56—56%	64.10—63.80		Sunday	Sunday		50%—50%	66.34—66.34	
16	31%—32%	76.12—75.61		54%—54%	64.88—64.83		47—47%	68.03—67.97		49%—49%	67.00—66.78	
17	32%—32%	75.61—75.47		49%—50	67.00—66.67		47%—48%	67.62—67.34		50%—50%	66.56—66.45	
18	33—33%	75.19—75.05		Sunday	Sunday		49%—50	66.89—66.67		51%—52%	65.95—65.57	
19	33%—34	74.77—74.63		50%—51%	66.28—66.01		51—52%	66.23—65.47		51%—52	66.01—65.79	
20	Sunday	Sunday		49%—49%	66.83—66.78		52%—53%	65.57—65.25		Sunday	Sunday	
21	39—39%	71.94—71.81		43%—46	69.57—68.49		53%—54	65.15—64.94		52%—52%	65.74—65.57	
22	37%—38%	72.86—72.20		42%—44%	70.05—69.32		Sunday	Sunday		52%—52%	65.74—65.68	
23	37%—38%	72.73—72.33		45%—46%	68.61—68.26		53—54	65.36—64.94		52—52%	65.79—65.57	
24	36%—37	73.13—72.99		46%—47	68.14—68.03		50%—52	66.45—65.79		51%—51%	65.95—65.90	
25	38—38%	72.46—72.40		Sunday	Sunday		48%—49	67.23—67.11		Christmas	Christmas	
26	39—39%	71.94—71.81		49%—49%	66.89—66.78		Thanksgiving	Thanksgiving		51%—51%	66.01—66.01	
27	Sunday	Sunday		46—47%	68.49—67.91		43—45%	69.93—68.73		Sunday	Sunday	
28	39%—39%	71.81—71.75		45%—46%	68.61—68.26		44%—44%	69.20—69.14		51%—52%	65.90—65.52	
29	42%—43%	70.18—69.87		47—48	68.03—67.57		Sunday	Sunday		52%—52%	65.52—65.47	
30	41%—42	70.80—70.42		46—46%	68.49—68.32		48—48%	67.57—67.23		51%—52%	65.90—65.74	
31	.....	.....		45%—45%	68.79—68.73		.....	.....		51%—51%	65.84—65.84	



TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	MAY			JUNE			JULY			AUGUST		
	Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold	
1	Sunday			90 — 90	52.63—52.63		122 — 150	45.05—40.00		151 — 159	39.84—38.61	
2	76 — 77 ½	56.82—56.38		88 ½ — 90	53.05—52.63		130 — 150	43.48—40.00		156 — 158 ½	39.06—38.68	
3	77 — 79 ½	56.50—55.63		89 ½ — 91 ½	52.67—52.32		Sunday			156 ½ — 158 ½	38.99—38.68	
4	79 ½ — 79 ½	55.71—55.71		90 ½ — 91 ½	52.56—52.19		Holiday			.....	.....	
5	77 ½ — 77 ½	56.42—56.30		Sunday			135 — 149	42.55—40.16		157 ½ — 161 ½	38.83—38.28	
6	74 — 76 ½	57.47—56.58		94 — 94	51.55—51.55		148 — 161 ½	40.32—38.24		159 ½ — 161 ½	38.57—38.20	
7	72 ½ — 72 ½	57.89—57.85		93 — 94 ½	51.81—51.35		162 — 173	38.17—36.63		Sunday		
8	Sunday			93 — 93 ½	51.81—51.75		166 ½ — 176 ½	37.49—36.17		156 ½ — 159 ½	38.95—38.54	
9	69 ½ — 71	58.91—58.48		.....	.....		160 — 175	38.46—36.36		152 ½ — 155 ½	39.60—39.14	
10	68 — 68 ½	59.52—59.35		98 ½ — 98 ½	50.38—50.31		Sunday			154 ½ — 155 ½	39.29—39.14	
11	74 ½ — 76 ½	57.39—56.74		98 ½ — 98 ½	50.44—50.38		176 — 185	36.23—35.09		153 ½ — 156 ½	39.39—38.95	
12	73 — 74 ½	57.80—57.39		Sunday			171 — 182	36.90—35.46		155 ½ — 157 ½	39.20—38.83	
13	70 — 73 ½	58.82—57.51		95 ½ — 95 ½	51.09—51.09		168 ½ — 173	37.21—36.63		154 ½ — 156 ½	39.35—39.02	
14	72 — 72 ½	58.14—58.06		95 ½ — 97 ½	51.15—50.63		158 — 168	38.76—37.31		Sunday		
15	Sunday			97 ½ — 97 ½	50.57—50.57		144 — 156	40.98—39.06		155 ½ — 156 ½	39.10—38.93	
16	73 ½ — 73 ½	57.64—57.55		97 ½ — 97 ½	50.70—50.70		148 ½ — 161 ½	40.24—38.28		155 ½ — 156 ½	39.12—38.95	
17	77 — 78	56.50—56.18		96 ½ — 96 ½	50.86—50.79		Sunday			155 ½ — 157	39.10—38.91	
18	81 — 81 ½	55.25—55.17		95 ½ — 95 ½	51.22—51.15		154 ½ — 161 ½	39.33—38.24		157 — 158	38.91—38.76	
19	81 ½ — 81 ½	55.10—55.06		Sunday			158 ½ — 168 ½	38.68—37.21		157 — 157 ½	38.91—38.78	
20	81 — 81	55.25—55.25		98 — 98 ½	50.51—50.44		161 — 163 ½	38.31—37.91		156 ½ — 157 ½	38.99—38.89	
21	81 ½ — 81 ½	55.10—55.10		99 — 108	50.25—48.08		156 ½ — 160	38.99—38.46		Sunday		
22	Sunday			110 — 130	47.62—43.48		150 ½ — 157 ½	39.92—38.80		156 ½ — 157 ½	38.93—38.87	
23	82 ½ — 82 ½	54.91—54.91		105 — 123	48.78—44.84		153 ½ — 156	39.41—39.06		157 ½ — 158 ½	38.89—38.72	
24	82 ½ — 82 ½	54.83—54.83		113 — 117	46.95—46.08		Sunday			154 ½ — 155 ½	39.35—38.91	
25	84 ½ — 84 ½	54.13—54.09		114 — 120	46.73—45.45		155 ½ — 158 ½	39.16—38.65		153 ½ — 156	39.29—39.10	
26	83 — 83 ½	54.64—54.50		Sunday			157 ½ — 159 ½	38.80—38.54		158 ½ — 158 ½	39.47—39.06	
27	86 — 86 ½	53.76—53.69		121 — 140	45.35—41.67		154 — 152	40.98—39.68		Sunday		
28	86 — 86	53.76—53.76		134 — 140	42.73—41.67		144 — 152	40.98—39.68		145 — 153	40.82—39.53	
29	Sunday			135 — 150	42.55—40.00		150 — 153 ½	40.00—39.45		135 ½ — 145	42.53—40.82	
30	86 — 86	52.76—53.76		145 — 150	40.82—40.00		153 — 158	39.53—38.76		131 ½ — 136	43.20—42.37	
31	90 — 90	52.63—52.63		.....	.....		Sunday			134 — 143	42.73—41.15	

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.  
1864.

	SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold	
1	143	—148½	41.15—40.24	90	—93%	52.63—51.61	130	—141½	43.48—41.41	125½—129	44.40—43.67	
2	148½	—154½	40.24—39.29	Sunday		Sunday	129½—146		43.57—40.65	130½—133½	43.43—42.78	
3	136	—143½	42.37—41.07	89	—91%	52.91—52.15	127½—136%		44.00—42.24	128½—131	43.81—43.29	
4	Sunday		Sunday	90	—92%	52.63—52.02	131½—138%		43.17—41.91	Sunday		
5	135	—143½	42.55—41.07	89½—91½		52.84—52.29	135½—144%		42.46—40.86	127	—129%	44.05—43.53
6	140½—142		41.58—41.32	92½—97		52.02—50.76	Sunday		Sunday	130	—134%	43.48—42.60
7	140½—142½		41.52—41.19	98	—104	50.51—49.02	138½—145%		41.93—40.87	138½—143	41.93—41.15	
8	135½—141		42.42—41.49	96½—103½		50.83—49.20	145½—149½		40.73—40.08	139	—142%	41.84—41.19
9	134½—136		42.71—42.37	Sunday		Sunday	146	—160	40.65—38.48	139½—142½	41.75—41.26	
10	118	—128½	45.87—43.76	96	—99	51.02—50.25	143	—153	41.15—39.53	134½—139½	42.64—41.80	
11	Sunday		Sunday	98½—103%		50.41—49.17	136½—144½		42.22—40.90	Sunday		
12	113½—125		46.84—44.44	102½—104%		49.94—48.84	147½—145		41.24—40.82	132½—137½	43.01—42.11	
13	117½—128		45.98—43.86	103½—109%		49.05—47.68	Sunday		Sunday	133½—135½	42.87—42.46	
14	123½—128		44.74—43.86	108	—117%	48.08—46.03	143	—146%	41.15—40.55	133½—135½	42.85—42.46	
15	128½—129½		43.81—43.57	113½—120		46.89—45.45	128½—140		43.74—40.98	134½—137%	42.64—42.06	
16	124½—128		44.62—43.86	Sunday		Sunday	128½—140		43.76—41.67	133½—134%	42.78—42.60	
17	120½—123%		45.27—44.72	118½—122½		45.82—44.94	118½—126%		45.82—44.10	125½—130%	44.42—43.41	
18	Sunday		Sunday	106½—115		48.48—46.51	110	—119	47.62—45.66	Sunday		
19	123½—126%		44.67—44.10	107½—111½		48.19—47.28	116	—125½	46.30—44.35	112½—117%	47.00—46.08	
20	123	—126%	44.84—44.10	106½—111½		48.48—47.34	Sunday		Sunday	120½—127	45.35—44.05	
21	120	—122	45.45—45.05	107½—109		48.22—47.85	117½—121½		45.98—45.15	122½—126	44.99—44.25	
22	116	—121½	46.30—45.20	109½—113½		47.73—46.84	124	—129	44.64—43.67	121	—124%	45.25—44.54
23	111	—117	47.30—46.08	Sunday		Sunday	120½—123½		45.35—44.74	120½—122%	45.35—44.99	
24	100	—112	50.00—47.17	112½—116%		47.11—46.11	Thanksgiving		Thanksgiving	120½—122	45.38—45.05	
25	Sunday		Sunday	114½—118%		46.57—45.71	116½—121½		46.14—45.20	Christmas		
26	95	—98½	51.28—50.47	112½—117		47.09—46.08	119½—124%		45.56—44.52	Holiday		
27	92½—95		52.02—51.28	114½—116%		46.54—46.16	Sunday		Sunday	116	—118	46.30—45.87
28	95	—105	51.28—48.78	115½—117%		46.48—45.92	126½—133%		44.20—42.78	116½—124	46.24—44.64	
29	94½—102		51.48—49.50	117½—121½		45.92—45.20	132	—136%	43.10—42.35	122	—125%	45.05—44.42
30	91	—94½	52.36—51.51	Sunday		Sunday	127½—138		44.00—42.92	126	—129%	44.25—43.57
31	.....	.....	.....	121½—127%		45.15—43.91	.....	.....	.....	124½—127%	44.59—43.88	

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.  
1865.

	JANUARY			FEBRUARY			MARCH			APRIL		
	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold
1	Sunday	Sunday	102 1/2—106	102 1/2—106	49.38—48.54	99 1/2—101	99 1/2—101	50.12—49.75	51	52 1/2	66.23—65.41	51
2	Holiday	Holiday	103 1/2—105 1/2	103 1/2—105 1/2	49.11—48.60	97	97	50.76—50.41	Sunday	Sunday	68.79—67.23	Sunday
3	126 —128 1/2	44.25—43.81	105 1/2—109 1/2	105 1/2—109 1/2	48.69—47.73	98	98	50.51—50.25	45 1/2—48 1/2	48 1/2	68.32—67.45	45 1/2—48 1/2
4	132 1/2—133 1/2	43.05—42.78	109 —114 1/2	109 —114 1/2	47.85—46.70	Holiday	Holiday	Holiday	46 1/2—48 1/2	48 1/2	67.57—65.09	46 1/2—48 1/2
5	127 1/2—128 1/2	44.00—43.81	Sunday	Sunday	Sunday	Sunday	Sunday	Sunday	48	53 1/2	66.67—65.79	48
6	127 1/2—129 1/2	43.91—43.60	112 1/2—114	112 1/2—114	47.06—46.73	98	98	50.51—50.25	50	52	67.80—66.12	50
7	126 1/2—127 1/2	44.17—43.96	113 1/2—116 1/2	113 1/2—116 1/2	47.00—46.19	97 1/2—99	97 1/2—99	50.70—50.25	47 1/2—51 1/2	51 1/2	67.40—66.34	47 1/2—51 1/2
8	Sunday	Sunday	110 1/2—113 1/2	110 1/2—113 1/2	47.48—46.84	96 1/2—97 1/2	96 1/2—97 1/2	50.89—50.63	48 1/2—50 1/2	50 1/2	69.44—68.67	48 1/2—50 1/2
9	126 1/2—127 1/2	44.22—43.98	111 1/2—113 1/2	111 1/2—113 1/2	47.37—46.89	93 1/2—96 1/2	93 1/2—96 1/2	51.65—50.96	Sunday	Sunday	68.43—68.03	Sunday
10	123 1/2—126	44.94—44.25	110 1/2—111 1/2	110 1/2—111 1/2	47.48—47.28	87 1/2—91	87 1/2—91	53.30—52.36	44	45 1/2	68.91—68.49	44
11	121 1/2—123 1/2	45.12—44.69	105 1/2—109	105 1/2—109	48.72—47.85	89	89	52.91—52.15	46 1/2—47	47	68.43—68.14	46 1/2—47
12	116 1/2—119 1/2	46.19—45.61	Sunday	Sunday	Sunday	Sunday	Sunday	Sunday	45 1/2—46	46	68.43—68.14	45 1/2—46
13	117 1/2—122	45.92—45.05	105 1/2—107	105 1/2—107	48.72—48.31	85 1/2—91	85 1/2—91	53.79—52.36	46 1/2—48 1/2	48 1/2	67.40—65.36	46 1/2—48 1/2
14	118 —120	45.87—45.45	107 1/2—108 1/2	107 1/2—108 1/2	48.28—47.90	78	78	56.18—54.05	Exchange closed	Exchange closed	68.26—67.62	Exchange closed
15	Sunday	Sunday	105 1/2—106 1/2	105 1/2—106 1/2	48.75—48.43	74 1/2—80	74 1/2—80	57.43—55.56	President assassinated	President assassinated	68.26—67.62	President assassinated
16	118 1/2—120 1/2	45.82—45.27	103 —105	103 —105	49.26—48.78	72 1/2—77	72 1/2—77	57.93—56.50	Exchange closed	Exchange closed	68.26—67.62	Exchange closed
17	114 1/2—117	46.60—46.08	103 1/2—104 1/2	103 1/2—104 1/2	49.14—48.81	62 1/2—68 1/2	62 1/2—68 1/2	61.54—59.35	Sunday	Sunday	68.26—67.62	Sunday
18	115 1/2—116 1/2	46.46—46.11	104 —105 1/2	104 —105 1/2	49.02—48.60	63 1/2—66	63 1/2—66	61.16—60.24	48 1/2—53	53	68.26—67.62	48 1/2—53
19	111 1/2—114 1/2	47.37—46.57	Sunday	Sunday	Sunday	Sunday	Sunday	Sunday	46 1/2—47 1/2	47 1/2	68.26—67.62	46 1/2—47 1/2
20	101 1/2—107	49.69—48.31	99 1/2—102 1/2	99 1/2—102 1/2	50.19—49.44	62 1/2—67 1/2	62 1/2—67 1/2	61.49—59.79	Holiday	Holiday	68.26—67.62	Holiday
21	102 1/2—106	49.29—48.54	96 1/2—99 1/2	96 1/2—99 1/2	50.86—50.09	55 1/2—59 1/2	55 1/2—59 1/2	64.21—62.75	47 1/2—49 1/2	49 1/2	67.80—68.72	47 1/2—49 1/2
22	Sunday	Sunday	Holiday	Holiday	Holiday	58 —58 1/2	58 —58 1/2	64.10—62.99	49 1/2—50 1/2	50 1/2	67.00—66.61	49 1/2—50 1/2
23	98 1/2—101 1/2	50.38—49.57	98 1/2—102	98 1/2—102	50.31—49.50	50 1/2—57	50 1/2—57	66.34—63.69	Sunday	Sunday	67.45—65.36	Sunday
24	98 1/2—100 1/2	50.47—49.88	98 1/2—100 1/2	98 1/2—100 1/2	50.31—49.88	48 1/2—53	48 1/2—53	67.45—65.36	Holiday	Holiday	67.45—65.36	Holiday
25	104 1/2—107 1/2	48.90—48.19	98 1/2—99 1/2	98 1/2—99 1/2	50.44—50.03	53 1/2—57 1/2	53 1/2—57 1/2	65.25—63.49	Holiday	Holiday	66.45—65.79	Holiday
26	104 —105 1/2	49.02—48.60	Sunday	Sunday	Sunday	Sunday	Sunday	Sunday	50 1/2—52	52	67.74—67.11	50 1/2—52
27	109 1/2—112 1/2	47.76—47.00	99 1/2—101 1/2	99 1/2—101 1/2	50.06—49.60	53 —55 1/2	53 —55 1/2	65.36—64.31	47 1/2—49	49	68.43—67.80	47 1/2—49
28	115 1/2—120	46.43—45.45	101 1/2—103 1/2	101 1/2—103 1/2	49.63—49.20	53 1/2—54 1/2	53 1/2—54 1/2	64.99—64.57	46 1/2—47 1/2	47 1/2	68.43—67.80	46 1/2—47 1/2
29	Sunday	Sunday	.....	.....	.....	51 —53 1/2	51 —53 1/2	66.23—65.31	46 —46 1/2	46	68.49—68.20	46 —46 1/2
30	111 1/2—114 1/2	47.34—46.57	.....	.....	.....	49 1/2—51 1/2	49 1/2—51 1/2	66.72—65.95	Sunday	Sunday	68.49—68.20	Sunday
31	102 1/2—111	49.44—47.39	.....	.....	.....	51 —52 1/2	51 —52 1/2	66.23—65.74	.....	.....	.....	.....

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.  
1865.

	MAY			JUNE			JULY			AUGUST		
	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold
1	42 1/2—45 3/4	70.18—68.79	Holiday	37 3/4—38 3/4	72.79—72.07	Holiday	39 3/4—41	71.62—70.92	44	44 3/4	69.44—69.03	44
2	41 1/4—42 1/4	70.86—70.30		36 3/4—37	73.38—72.99	Holiday	Sunday	Sunday	45	45 3/4	68.97—68.79	45
3	41 1/4—41 3/4	70.80—70.48		36 3/4—37	73.38—72.99	Holiday	Holiday	Holiday	44 1/4	44 3/4	69.38—69.08	44 1/4
4	42—43 3/4	70.42—69.69		Sunday	Sunday	Holiday	Holiday	Holiday	43 3/4	44 3/4	69.75—69.32	43 3/4
5	42 3/4—43 3/4	70.05—69.50		35 3/4—36 1/4	73.60—72.26		39 1/4—40 1/4	71.68—71.30	43 3/4	43 3/4	69.75—69.50	43 3/4
6	42 3/4—43 3/4	69.99—69.63		36 3/4—37 1/4	73.39—72.98		38 3/4—39 3/4	72.07—71.68	Sunday	Sunday	Sunday	Sunday
7	Sunday	Sunday		36 3/4—37 1/4	73.06—72.73		39 3/4—40 3/4	71.88—71.56	43 1/4	44	69.69—69.44	43 1/4
8	39 3/4—43 1/4	71.56—69.91		37 3/4—38	72.60—72.46		39 3/4—40 3/4	71.62—71.36	44 3/4	45 3/4	69.14—68.91	44 3/4
9	35 3/4—37 3/4	73.66—72.66		37 3/4—38	72.93—72.46		Sunday	Sunday	43 3/4	44 3/4	69.57—69.26	43 3/4
10	31 1/4—35 3/4	76.26—73.66		37 1/4—37 3/4	72.86—72.60		39 1/4—40 1/4	71.81—71.30	42 3/4	43 3/4	70.05—69.63	42 3/4
11	28 3/4—31 3/4	77.75—75.97		Sunday	Sunday		39 1/4—40 1/4	71.88—71.36	40 3/4	42	71.30—70.42	40 3/4
12	30 3/4—33 3/4	76.70—74.98		38 1/4—40 3/4	72.33—70.98		40 3/4—42	70.98—70.42	40 3/4	42	70.98—70.42	40 3/4
13	29 1/4—30 1/4	77.44—76.78		40 3/4—42 3/4	71.05—70.95		41 3/4—42 1/4	70.48—70.18	Sunday	Sunday	Sunday	Sunday
14	Sunday	Sunday		40 3/4—42 3/4	71.17—70.24		42 3/4—43 3/4	70.11—69.75	42 1/4	43 3/4	70.30—69.87	42 1/4
15	29 1/4—30 3/4	77.37—76.48		43 1/4—47 3/4	69.69—67.85		41 3/4—42 1/4	70.48—70.18	40 3/4	41 3/4	71.24—70.73	40 3/4
16	30 3/4—31 3/4	76.85—75.90		42 3/4—45 1/4	70.24—68.73		Sunday	Sunday	41 1/4	42 1/4	70.86—70.36	41 1/4
17	29 3/4—30 3/4	77.07—76.48		43 3/4—45 1/4	69.50—68.85		42—43	70.42—69.93	41 1/4	42 3/4	70.61—70.11	41 1/4
18	29 1/4—30 3/4	77.22—76.56		Sunday	Sunday		43—43 3/4	69.93—69.75	42 1/4	43 3/4	70.30—69.63	42 1/4
19	30 3/4—31 1/4	76.56—76.19		40 3/4—43 3/4	71.17—69.57		42—43 3/4	70.42—69.50	43 3/4	44 3/4	69.69—69.32	43 3/4
20	30 3/4—31 1/4	76.63—76.19		37 3/4—39 3/4	72.60—71.62		42 3/4—42 3/4	70.34—70.05	Sunday	Sunday	Sunday	Sunday
21	Sunday	Sunday		40—41 1/4	71.43—70.48		42 1/4—42 3/4	70.36—70.11	44 1/4	44 3/4	69.38—69.14	44 1/4
22	30 3/4—31 1/4	76.48—76.19		41 3/4—43 3/4	70.61—69.87		42 1/4—42 3/4	70.18—69.99	43 3/4	43 3/4	69.81—69.50	43 3/4
23	31 3/4—32 3/4	76.12—75.54		40 3/4—42 3/4	71.36—70.36		Sunday	Sunday	43 1/4	43 3/4	69.69—69.50	43 1/4
24	32 1/2—34 3/4	75.47—74.14		41 3/4—42 3/4	70.61—70.05		42 3/4—43 1/4	70.11—69.81	43 3/4	43 3/4	69.63—69.50	43 3/4
25	35 3/4—38 1/4	73.66—72.33		39 1/4—41 3/4	71.68—70.55		42 3/4—43 3/4	69.93—69.57	43 1/4	44	69.69—69.44	43 1/4
26	35 3/4—38 1/4	73.60—72.46		39 1/4—41 3/4	71.68—70.55		43 1/4—44 3/4	69.93—69.75	44	44 3/4	69.44—69.26	44
27	35 3/4—36 3/4	73.60—73.06		41 3/4—42 1/4	70.73—70.36		43 1/4—44 3/4	69.87—69.26	Sunday	Sunday	Sunday	Sunday
28	Sunday	Sunday		39 3/4—41 3/4	71.75—70.61		44 3/4—46	69.08—68.49	43 3/4	44 3/4	69.63—69.32	43 3/4
29	36—37	73.53—72.99		38 1/4—39	72.83—71.94		44 1/4—45 1/4	69.20—68.73	44 3/4	44 3/4	69.38—69.26	44 3/4
30	37 1/4—38 1/4	72.86—72.20		39—41 1/4	71.94—70.86		Sunday	Sunday	43 3/4	44 3/4	69.50—69.26	43 3/4
31	36 3/4—37 3/4	73.19—72.73		.....	.....		43 3/4—43 3/4	69.87—69.63	44 1/4	44 3/4	69.32—69.14	44 1/4

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold
1	44 1/4—45	69.32—68.97	Sunday	44 1/4—44 1/4	69.38—69.32	45%—45%	45%—45%	68.55—68.55	47%—48 1/4	47%—48 1/4	67.62—67.45	47%—48 1/4
2	44 1/4—44 1/4	69.32—69.14	Sunday	44 1/4—44 1/4	69.38—69.08	46—46%	46—46%	68.49—68.14	47 1/4—48 1/4	47 1/4—48 1/4	67.80—67.45	47 1/4—48 1/4
3	43%—44 1/4	69.57—69.32	44%—44%	44%—46%	69.08—68.08	46%—47	46%—47	68.20—68.03	Sunday	Sunday		Sunday
4	44 1/4—44 1/4	69.38—69.14	46%—47	46%—47	68.32—68.03	Sunday	Sunday	68.14—67.91	47%—48 1/4	47%—48 1/4	67.62—67.34	47%—48 1/4
5	44 1/4—45	69.20—68.97	46%—49	46%—49	68.26—67.11	46%—47 1/4	46%—47 1/4	68.08—67.80	48 1/4—48 1/4	48 1/4—48 1/4	67.51—67.34	48 1/4—48 1/4
6	44 1/4—44 1/4	69.20—69.03	46—46%	46—46%	68.49—68.14	46%—47%	46%—47%	68.08—67.85	46%—48	46%—48	68.14—67.57	46%—48
7	44 1/4—44 1/4	69.20—69.08	Sunday	Sunday	Sunday	46%—47%	46%—47%	68.26—67.85	Holiday	Holiday		Holiday
8	44 1/4—44 1/4	69.20—69.08	45%—46%	45%—46%	68.61—68.14	46%—47%	46%—47%	68.26—67.85	45%—46 1/4	45%—46 1/4	68.61—68.26	45%—46 1/4
9	44 1/4—44 1/4	69.20—69.08	44 1/4—45%	44 1/4—45%	69.08—68.79	46%—46%	46%—46%	68.43—68.14	44%—45%	44%—45%	69.14—68.91	44%—45%
10	Sunday	Sunday	44 1/4—45%	44 1/4—45%	69.20—68.91	46%—46%	46%—46%	68.32—68.14	Sunday	Sunday		Sunday
11	44 1/4—44 1/4	69.20—69.14	44 1/4—45%	44 1/4—45%	69.08—68.79	46%—46%	46%—46%	68.26—68.08	44%—45%	44%—45%	69.14—68.79	44%—45%
12	43%—44 1/4	69.57—69.32	45—45%	45—45%	68.97—68.79	Sunday	Sunday	68.14—67.97	44%—45%	44%—45%	69.14—68.85	44%—45%
13	43 1/4—43%	69.87—69.57	44%—45	44%—45	69.14—68.97	46%—47 1/4	46%—47 1/4	68.08—67.91	44%—45%	44%—45%	69.03—68.67	44%—45%
14	43%—43%	69.87—69.57	44%—44%	44%—44%	69.14—69.03	46%—47%	46%—47%	67.97—67.85	45 1/4—46%	45 1/4—46%	68.85—68.43	45 1/4—46%
15	42%—43 1/4	70.11—69.81	Sunday	Sunday	Sunday	47%—47%	47%—47%	68.03—67.91	46—46%	46—46%	68.49—68.08	46—46%
16	42%—43 1/4	70.05—69.81	45—45%	45—45%	68.97—68.61	47—47 1/4	47—47 1/4	68.08—67.91	45%—46 1/4	45%—46 1/4	68.55—68.26	45%—46 1/4
17	Sunday	Sunday	45%—46 1/4	45%—46 1/4	68.61—68.38	46%—47	46%—47	68.14—68.03	Sunday	Sunday		Sunday
18	43 1/4—43%	69.69—69.50	46—46%	46—46%	68.49—68.32	46%—47	46%—47	68.08—68.03	46 1/4—46%	46 1/4—46%	68.38—68.20	46 1/4—46%
19	43%—44	69.63—69.44	46%—47	46%—47	68.32—68.03	Sunday	Sunday	68.20—68.03	46%—46%	46%—46%	68.32—68.20	46%—46%
20	43%—43%	69.63—69.50	46—46%	46—46%	68.49—68.32	46%—47	46%—47	68.20—68.03	46—46%	46—46%	68.49—68.14	46—46%
21	43%—44 1/4	69.50—69.32	45%—46 1/4	45%—46 1/4	68.55—68.26	46%—47	46%—47	68.20—68.03	45%—46 1/4	45%—46 1/4	68.61—68.43	45%—46 1/4
22	43%—43%	69.63—69.50	Sunday	Sunday	Sunday	46%—47	46%—47	68.08—68.03	45%—46%	45%—46%	68.55—68.32	45%—46%
23	43 1/4—43%	69.81—69.50	45%—46 1/4	45%—46 1/4	68.55—68.38	46%—47	46%—47	68.08—68.03	45%—45%	45%—45%	68.61—68.61	45%—45%
24	Sunday	Sunday	46—46 1/4	46—46 1/4	68.49—68.26	46%—47	46%—47	68.14—68.03	Sunday	Sunday		Sunday
25	43—45%	69.93—68.55	45%—46 1/4	45%—46 1/4	68.79—68.38	46%—47 1/4	46%—47 1/4	68.08—67.97	Christmas	Christmas		Christmas
26	43%—44	69.57—69.44	44%—45%	44%—45%	69.08—68.67	Sunday	Sunday	67.97—67.74	45%—45 1/4	45%—45 1/4	68.91—68.73	45%—45 1/4
27	43%—44 1/4	69.57—69.32	45%—45%	45%—45%	68.78—68.55	47%—47%	47%—47%	67.80—67.34	45%—45%	45%—45%	68.91—68.79	45%—45%
28	43%—44 1/4	69.50—69.38	45%—45%	45%—45%	68.85—68.67	47 1/4—48 1/4	47 1/4—48 1/4	67.80—67.34	45%—45%	45%—45%	68.79—68.67	45%—45%
29	43%—44 1/4	69.50—69.38	Sunday	Sunday	Sunday	48—48%	48—48%	67.57—67.23	45—45%	45—45%	68.97—68.67	45—45%
30	44—44 1/4	69.44—69.32	45 1/4—45%	45 1/4—45%	68.73—68.61	48—48 1/4	48—48 1/4	67.57—67.45	44%—45%	44%—45%	69.14—68.91	44%—45%
31			45%—46 1/4	45%—46 1/4	68.55—68.38				Sunday	Sunday		Sunday



TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.  
1866.

	JANUARY			FEBRUARY			MARCH			APRIL		
	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold
1	Holiday		39 1/2—40 1/4	71.68—71.17	35 1/2—36 1/4	73.78—73.26	Sunday		Sunday			
2	44 1/2—44 1/4	69.32—69.14	39 1/2—40 1/4	71.49—71.17	35 1/2—36 1/4	73.94—73.46		27 1/2—28 1/2		78.59—77.82		
3	43 1/2—44 1/4	69.75—69.20	39 1/2—40 1/4	71.56—71.24	38 1/2—34 1/4	75.05—74.14		27 1/2—28 1/2		78.51—78.05		
4	42 1/2—43 1/4	70.24—69.81	Sunday		Sunday			27 1/2—28 1/2		78.43—77.97		
5	42 1/2—43 1/4	70.11—69.81	39 1/2—40 1/4	71.68—71.36	32 1/2—34 1/4	75.40—74.49		27 1/2—28 1/2		78.35—78.12		
6	41 1/2—43	70.67—69.93	39 1/2—39 1/4	71.88—71.56	32 1/2—33 1/4	75.33—74.91		27 1/2—28 1/2		78.43—78.05		
7	Sunday		39 1/2—39 1/4	71.81—71.56	38—38 1/2	75.19—74.91		27 1/2—28 1/2		78.74—78.20		
8	39 1/2—41 1/2	71.75—70.67	39 1/2—40 1/4	71.56—71.17	31 1/2—32 1/2	78.05—75.47		Sunday		Sunday		
9	36 1/2—39 1/2	73.13—71.62	39 1/2—40 1/4	71.81—71.11	30 1/2—31 1/2	76.63—75.97		26 1/2—27 1/2		79.05—78.43		
10	38 1/2—39 1/2	72.20—71.68	38 1/2—39 1/4	72.20—71.88	29 1/2—31 1/2	77.00—76.12		25 1/2—26 1/2		79.08—79.21		
11	38—39 1/2	72.46—71.88	Sunday		Sunday			26 1/2—27 1/2		79.29—78.43		
12	38 1/2—39 1/2	72.33—71.81	38 1/2—39	72.33—71.94	30 1/2—32 1/2	76.70—75.33		26 1/2—27 1/2		78.90—78.20		
13	39—39 1/2	71.94—71.68	38 1/2—39	73.14—71.94	30 1/2—30 1/2	77.37—76.56		26 1/2—27 1/2		79.29—78.74		
14	Sunday		37 1/2—38 1/2	72.60—72.14	30 1/2—31 1/2	76.36—76.19		25 1/2—26 1/2		79.52—79.05		
15	39 1/2—39 1/2	71.75—71.56	37 1/2—37 1/2	72.78—72.53	30 1/2—31 1/2	76.48—75.97		Sunday		Sunday		
16	39—39 1/2	71.94—71.49	37 1/2—37 1/2	72.86—72.73	30—31	76.92—76.34		25 1/2—26		79.76—79.37		
17	39 1/2—40 1/2	71.62—71.30	37 1/2—37 1/2	72.93—72.86	29 1/2—30 1/2	77.22—76.48		25 1/2—26 1/2		79.08—79.13		
18	38 1/2—40	72.27—71.43	37 1/2—37 1/2	Sunday	Sunday			26 1/2—27 1/2		79.13—78.51		
19	37 1/2—38 1/2	72.53—72.07	36 1/2—37 1/2	73.06—72.86	27 1/2—29 1/2	78.28—77.22		27—27 1/2		78.43—78.51		
20	38 1/2—39 1/2	72.33—71.88	36 1/2—37 1/2	73.13—72.86	27 1/2—28 1/2	78.43—77.90		26 1/2—27 1/2		78.90—78.59		
21	Sunday		36 1/2—37 1/2	73.06—72.86	28 1/2—28 1/2	78.05—77.67		26 1/2—27		79.05—78.74		
22	38 1/2—39 1/2	72.14—71.75	Holiday		27 1/2—28 1/2	78.28—77.90		Sunday		Sunday		
23	38 1/2—39 1/2	72.07—71.62	36 1/2—37 1/2	73.26—72.66	26 1/2—28 1/2	78.82—77.97		26 1/2—26 1/2		79.05—78.82		
24	39 1/2—39 1/2	71.81—71.49	35 1/2—37	73.40—72.99	25—26 1/2	80.00—79.13		26 1/2—26 1/2		78.97—78.82		
25	39 1/2—39 1/2	71.68—71.68	Sunday		Sunday			26 1/2—27 1/2		79.13—78.66		
26	39 1/2—40	71.68—71.43	36 1/2—37 1/2	73.13—72.86	25 1/2—26	79.92—79.37		27 1/2—28 1/2		78.06—78.05		
27	39 1/2—39 1/2	71.81—71.56	36 1/2—37	73.06—72.99	26 1/2—28 1/2	79.21—77.90		28 1/2—29 1/2		77.90—77.29		
28	Sunday		36 1/2—37	73.13—72.99	27 1/2—28 1/2	78.59—77.67		28 1/2—29 1/2		77.07—77.23		
29	39 1/2—40 1/2	71.40—71.30	.....	.....	Holiday	78.43—77.97		Sunday		Sunday		
30	40 1/2—41 1/2	71.24—70.86	.....	.....	Holiday	78.35—77.82		25 1/2—27 1/2		79.44—78.51		
31	39 1/2—41 1/2	71.62—70.80	.....	.....	27 1/2—28 1/2			.....		.....		

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	MAY			JUNE			JULY			AUGUST		
	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold
1	25 1/4—27	79.92—78.74	Holiday	40%—41%	71.11—70.61	Sunday	53%—55%	65.20—64.21	48 1/4—49 1/4	67.34—67.06	Sunday	67.97—67.57
2	26%—28%	79.13—77.90	Sunday	40%—41%	71.11—70.61	Sunday	53%—55%	65.20—64.21	47%—48%	67.62—67.23	Sunday	67.85—67.57
3	27%—28%	78.51—78.05	Sunday	40%—41%	71.11—70.61	Sunday	53%—55%	65.20—64.21	47%—48%	67.68—67.51	Sunday	67.57—67.11
4	27 1/4—27%	78.66—78.35	40%—44	40%—44	71.17—69.44	Holiday	52%—53%	65.52—65.25	46%—48	68.08—67.57	Sunday	67.40—67.17
5	27 1/4—27%	78.66—78.28	43%—46%	43%—46%	69.50—68.20	52 1/2—54	52 1/2—54	65.57—64.94	48%—49	67.97—67.57	Sunday	67.34—67.11
6	Sunday	Sunday	43%—45%	43%—45%	69.63—68.55	53%—54%	53%—54%	65.04—64.62	47 1/4—48	67.85—67.57	Sunday	67.51—67.28
7	27%—28%	78.28—77.59	42%—45%	42%—45%	70.24—68.73	53 1/2—54 1/2	53 1/2—54 1/2	65.25—64.73	48%—49	67.57—67.11	Sunday	67.40—67.17
8	28%—29%	77.90—77.37	38%—41%	38%—41%	72.07—70.55	Sunday	51%—53%	66.06—65.31	48%—49	67.34—67.11	Sunday	67.08—66.89
9	28%—29%	77.59—77.07	39%—40	39%—40	71.62—71.43	Sunday	49%—49%	67.45—66.72	49 1/4—50 1/4	67.00—66.45	Sunday	66.45—65.68
10	28 1/4—29 1/4	77.82—77.15	Sunday	37%—39%	72.66—71.49	49 1/4—50%	52 1/4—53%	65.68—65.09	51%—52%	66.06—65.74	Sunday	66.56—65.90
11	28%—29%	77.59—77.22	41%—43%	41%—43%	70.86—69.69	49 1/4—50%	52%—52%	65.79—65.47	48%—51	67.40—66.23	Sunday	67.51—67.28
12	28%—29%	77.67—77.37	42%—46%	42%—46%	69.99—68.88	52 1/4—53%	52%—52%	65.79—65.47	49%—50%	67.08—66.89	Sunday	67.00—66.45
13	Sunday	Sunday	43%—47%	43%—47%	68.67—67.62	52%—52%	48%—49%	67.28—66.78	50 1/4—51%	66.45—65.68	Sunday	66.06—65.74
14	30 1/4—30%	76.78—76.41	54%—60	54%—60	64.78—62.50	Sunday	49%—51%	67.11—66.45	50 1/4—51%	66.56—65.90	Sunday	67.40—66.23
15	29%—30%	77.15—76.70	Sunday	55%—67%	64.21—59.61	Sunday	49%—50%	66.67—66.34	48 1/4—48%	67.51—67.40	Sunday	67.97—67.45
16	30%—30%	76.92—76.78	49 1/4—54%	49 1/4—54%	67.00—64.62	Sunday	49%—50%	66.72—66.34	47 1/4—48 1/4	67.85—66.72	Sunday	67.57—66.34
17	29%—30%	77.15—76.85	51%—53%	51%—53%	65.84—65.04	Sunday	49%—50%	66.89—66.61	47%—48%	68.08—67.57	Sunday	68.28—67.23
18	29%—30%	77.00—76.85	48%—51%	48%—51%	67.34—66.12	Sunday	49%—50%	66.89—66.61	46 1/2—48%	68.28—67.23	Sunday	67.40—66.95
19	30%—30%	76.92—76.85	48%—50	48%—50	67.51—66.67	Sunday	50%—51%	66.50—66.12	48%—48%	67.51—67.17	Sunday	67.85—67.51
20	Sunday	Sunday	51%—53%	51%—53%	66.06—65.04	Sunday	50%—50%	66.67—66.39	47%—48	67.91—67.57	Sunday	67.91—67.57
21	30%—30%	76.85—76.78	52%—54%	52%—54%	65.79—64.62	Sunday	49%—50%	66.89—66.61	46%—48%	68.28—67.23	Sunday	67.40—66.95
22	30%—30%	76.56—74.49	54 1/4—57	54 1/4—56 1/4	64.73—63.69	Sunday	49%—50%	66.72—66.50	48%—49%	67.51—67.17	Sunday	67.85—67.51
23	33%—38%	74.77—72.01	54 1/4—54%	54 1/4—54%	66.12—64.88	Sunday	47%—48%	68.03—67.51	47 1/4—48	67.91—67.57	Sunday	67.91—67.57
24	37%—39%	72.79—71.68	53%—55	53%—55	65.09—64.52	Sunday	48%—49%	67.40—67.00	47 1/4—48	67.91—67.57	Sunday	67.91—67.57
25	39%—41%	71.94—70.67	52%—54	52%—54	65.47—64.94	Sunday	48%—49%	67.40—67.00	47 1/4—48	67.91—67.57	Sunday	67.91—67.57
26	38%—39%	72.46—71.56	54 1/4—57	54 1/4—56 1/4	64.73—63.69	Sunday	49%—50%	66.89—66.61	46%—48%	68.28—67.23	Sunday	67.40—66.95
27	Sunday	Sunday	54 1/4—56 1/4	54 1/4—56 1/4	66.12—64.88	Sunday	50%—50%	66.67—66.50	48%—49%	67.51—67.17	Sunday	67.85—67.51
28	37%—37%	72.99—72.53	53%—55	53%—55	65.09—64.52	Sunday	47%—48%	68.03—67.51	47 1/4—48	67.91—67.57	Sunday	67.91—67.57
29	37%—38%	72.99—72.20	52%—54	52%—54	65.47—64.94	Sunday	48%—49%	67.40—67.00	47 1/4—48	67.91—67.57	Sunday	67.91—67.57
30	38%—38%	72.46—72.01	.....	.....	.....	Sunday	48%—49%	67.40—67.00	47 1/4—48	67.91—67.57	Sunday	67.91—67.57
31	38%—40%	72.07—71.17	.....	.....	.....	Sunday	48%—49%	67.40—67.00	47 1/4—48	67.91—67.57	Sunday	67.91—67.57



TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.  
1867.

	JANUARY			FEBRUARY			MARCH			APRIL		
	Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold	
1	Holiday	Holiday		35 1/2—35 1/2	73.94—73.60		38 1/2—40 1/2	72.20—71.24		33 1/2—34 1/2	74.84—74.49	
2	32 1/2—33	75.54—75.19		35 1/2—36 1/2	73.60—73.19		38 1/2—39 1/2	72.20—71.75		34 1/2—34 1/2	74.56—74.28	
3	32—35 1/2	75.76—74.01		Sunday	Sunday		Sunday	Sunday		33 1/2—34 1/2	74.77—74.35	
4	33 1/2—34 1/2	74.91—74.42		36 1/2—37 1/2	73.33—72.60		38 1/2—39	72.40—71.94		33 1/2—33 1/2	75.05—74.70	
5	33 1/2—34 1/2	75.12—74.21		36 1/2—38 1/2	73.06—72.27		36 1/2—38 1/2	73.06—72.27		32 1/2—33 1/2	75.33—74.84	
6	Sunday	Sunday		36 1/2—37 1/2	73.26—72.58		35 1/2—36 1/2	73.94—73.26		32 1/2—33 1/2	75.40—75.12	
7	33 1/2—35 1/2	74.84—73.73		37 1/2—39	72.79—71.94		33 1/2—35	74.98—74.07		Sunday	Sunday	
8	33 1/2—34 1/2	74.77—74.35		37 1/2—38 1/2	72.73—72.33		33 1/2—34 1/2	74.91—74.21		33 1/2—36	75.12—73.53	
9	33 1/2—34 1/2	74.84—74.14		36 1/2—37 1/2	73.06—72.73		34—35 1/2	74.63—74.01		34 1/2—36	74.35—73.53	
10	32 1/2—33 1/2	75.33—74.77		Sunday	Sunday		Sunday	Sunday		34 1/2—38	74.14—72.46	
11	32 1/2—34 1/2	75.47—74.49		36 1/2—36 1/2	73.46—73.13		34 1/2—35 1/2	74.31—73.80		36 1/2—37 1/2	73.39—72.66	
12	33 1/2—34 1/2	74.84—74.56		36 1/2—37 1/2	73.33—72.79		33 1/2—34 1/2	74.34—74.28		36 1/2—37 1/2	73.33—72.73	
13	Sunday	Sunday		36 1/2—37 1/2	73.13—72.73		33 1/2—34 1/2	74.91—74.21		35 1/2—36	73.80—73.53	
14	34 1/2—35	74.49—74.07		36 1/2—37 1/2	73.13—72.73		34 1/2—34 1/2	74.42—74.21		Sunday	Sunday	
15	34 1/2—35 1/2	74.21—73.94		36 1/2—36 1/2	73.33—73.06		33 1/2—34 1/2	74.70—74.35		34 1/2—35 1/2	74.35—73.87	
16	35 1/2—37	73.94—72.99		36 1/2—37	73.26—72.99		34—34 1/2	74.63—74.35		34—34 1/2	74.63—74.28	
17	35 1/2—37	73.80—72.99		Sunday	Sunday		Sunday	Sunday		34 1/2—35 1/2	74.28—73.60	
18	36 1/2—37 1/2	73.33—72.53		36 1/2—36 1/2	73.33—73.13		34—34 1/2	74.63—74.28		35 1/2—37 1/2	73.94—72.53	
19	36—37	73.53—72.99		36 1/2—37	73.26—72.99		33 1/2—34 1/2	74.77—74.56		Holiday	Holiday	
20	Sunday	Sunday		36 1/2—37 1/2	73.19—72.73		34 1/2—34 1/2	74.56—74.35		37 1/2—39 1/2	72.60—71.88	
21	36 1/2—37	73.26—72.99		37 1/2—38 1/2	72.73—72.27		34 1/2—34 1/2	74.42—74.14		Sunday	Sunday	
22	35 1/2—36 1/2	73.87—73.13		Holiday	Holiday		34 1/2—34 1/2	74.49—74.14		37 1/2—38 1/2	72.73—72.01	
23	34 1/2—35 1/2	74.42—73.94		38 1/2—38 1/2	72.33—72.07		33 1/2—34 1/2	74.56—74.35		38—38 1/2	72.46—72.07	
24	34 1/2—34 1/2	74.56—74.14		Sunday	Sunday		33 1/2—34 1/2	74.77—74.49		38 1/2—42	72.20—70.42	
25	33 1/2—34 1/2	74.70—74.14		37 1/2—38 1/2	72.66—72.14		33 1/2—34 1/2	74.77—74.49		39 1/2—41 1/2	71.81—70.55	
26	34 1/2—34 1/2	74.42—74.21		38 1/2—39 1/2	72.83—71.75		33 1/2—34 1/2	74.70—74.56		38—39 1/2	72.46—71.56	
27	Sunday	Sunday		39 1/2—40 1/2	71.88—71.17		34 1/2—34 1/2	74.56—74.35		36 1/2—37 1/2	73.33—72.93	
28	34—34 1/2	74.63—74.21		39 1/2—40 1/2	71.62—71.30		34 1/2—34 1/2	74.49—74.35		Sunday	Sunday	
29	34—34 1/2	74.63—74.28		.....	.....		34 1/2—34 1/2	74.56—74.35		34 1/2—36 1/2	74.35—73.39	
30	34 1/2—36 1/2	74.42—73.33		.....	.....		38 1/2—34 1/2	74.70—74.56		35—36 1/2	74.07—73.19	
31	34 1/2—35 1/2	74.21—73.66		.....	.....		Sunday	Sunday		.....	.....	

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	MAY			JUNE			JULY			AUGUST		
	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold
1	34 3/4—36 1/4	74.14—73.46	36 3/4—36 3/4	73.33—73.19	38 —38 1/4	72.46—72.33	38 —38 1/4	72.46—72.33	39 3/4—40 1/4	71.49—71.86	40 —40 1/4	71.43—71.17
2	35 1/4—35 3/4	74.01—73.66	Sunday	Sunday	38 —38 1/4	72.46—72.33	38 —38 1/4	72.46—72.33	39 3/4—40 3/4	71.49—71.24	40 —40 3/4	71.43—71.24
3	35 3/4—36 1/2	73.66—73.26	36 3/4—37 1/4	73.33—72.93	38 3/4—38 3/4	72.27—72.07	38 3/4—38 3/4	72.27—72.07	40 1/4—40 1/4	71.36—71.17	Sunday	71.36—71.17
4	35 3/4—36 3/4	73.60—73.13	36 3/4—37 1/4	73.13—72.79	Holiday	Holiday	Holiday	Holiday	Sunday	Sunday	Sunday	Sunday
5	Sunday	Sunday	36 1/4—36 3/4	73.26—73.06	38 3/4—39 3/4	72.07—71.75	38 3/4—39 3/4	72.07—71.75	40 —40 1/4	71.43—71.17	40 —40 1/4	71.43—71.17
6	35 3/4—37 3/4	73.66—72.60	36 3/4—36 3/4	73.19—73.13	38 3/4—39 3/4	72.07—71.88	38 3/4—39 3/4	72.07—71.88	40 —40 3/4	71.43—71.24	40 —40 3/4	71.43—71.24
7	37 1/4—38 3/4	72.86—72.14	36 3/4—36 3/4	73.26—73.06	Sunday	Sunday	40 —40 3/4	71.43—71.24	40 —40 3/4	71.43—71.24	40 —40 3/4	71.43—71.24
8	37 3/4—38 1/2	72.60—72.20	36 3/4—36 3/4	73.13—72.99	38 1/2—39 1/4	72.20—71.88	38 1/2—39 1/4	72.20—71.88	40 1/4—40 1/4	71.36—71.17	40 1/4—40 1/4	71.36—71.17
9	36 3/4—38 1/4	73.13—72.33	Sunday	Sunday	38 3/4—39 1/4	72.14—72.07	38 3/4—39 1/4	72.14—72.07	40 —40 1/4	71.43—71.30	40 —40 1/4	71.43—71.30
10	36 3/4—37 3/4	73.06—72.66	36 3/4—37 1/4	73.06—72.86	38 3/4—39 1/4	72.20—71.88	38 3/4—39 1/4	72.20—71.88	Sunday	Sunday	Sunday	Sunday
11	35 3/4—36 3/4	73.73—73.19	37 1/4—37 3/4	72.93—72.79	38 3/4—39 1/4	71.94—71.81	38 3/4—39 1/4	71.94—71.81	40 1/4—40 3/4	71.36—71.05	40 1/4—40 3/4	71.36—71.05
12	Sunday	Sunday	37 3/4—37 3/4	72.93—72.79	39 —39 3/4	71.94—71.75	39 —39 3/4	71.94—71.75	40 3/4—41	71.11—70.92	40 3/4—41	71.11—70.92
13	33 1/4—35 3/4	73.94—73.66	37 —37 1/4	72.99—72.86	Sunday	Sunday	Sunday	Sunday	40 3/4—41	71.24—71.11	40 3/4—41	71.24—71.11
14	35 1/4—37 1/4	73.80—72.93	37 —37 1/4	72.99—72.86	39 3/4—39 3/4	71.88—71.62	39 3/4—39 3/4	71.88—71.62	40 3/4—40 3/4	71.24—71.11	40 3/4—40 3/4	71.24—71.11
15	36 1/4—37 1/4	73.26—72.86	37 3/4—37 3/4	72.93—72.79	39 3/4—40 1/4	71.56—71.17	39 3/4—40 1/4	71.56—71.17	40 3/4—40 3/4	71.17—71.05	40 3/4—40 3/4	71.17—71.05
16	37 —37 3/4	72.99—72.66	37 3/4—37 3/4	72.93—72.79	39 3/4—40 1/4	71.62—71.11	39 3/4—40 1/4	71.62—71.11	40 3/4—40 3/4	71.11—70.98	40 3/4—40 3/4	71.11—70.98
17	36 3/4—37 1/4	73.19—72.86	37 3/4—37 3/4	72.86—72.66	Sunday	Sunday	Sunday	Sunday	Sunday	Sunday	Sunday	Sunday
18	36 3/4—37 1/4	73.13—72.86	37 3/4—37 3/4	72.86—72.66	39 3/4—40 1/4	71.68—71.43	39 3/4—40 1/4	71.68—71.43	41 —41 3/4	70.92—70.55	41 —41 3/4	70.92—70.55
19	Sunday	Sunday	Sunday	Sunday	39 3/4—40 1/4	71.62—71.36	39 3/4—40 1/4	71.62—71.36	41 3/4—41 3/4	70.86—70.55	41 3/4—41 3/4	70.86—70.55
20	36 3/4—37 1/4	73.19—72.86	37 3/4—37 3/4	72.86—72.66	Sunday	Sunday	Sunday	Sunday	40 3/4—41 1/4	71.05—70.86	40 3/4—41 1/4	71.05—70.86
21	37 —37 3/4	72.99—72.60	37 3/4—38	72.66—72.46	39 3/4—40 1/4	71.56—71.36	39 3/4—40 1/4	71.56—71.36	40 3/4—41 1/4	71.05—70.80	40 3/4—41 1/4	71.05—70.80
22	37 3/4—38 3/4	72.53—72.01	37 3/4—38 3/4	72.66—72.40	Sunday	Sunday	Sunday	Sunday	40 3/4—41 1/4	71.11—70.80	40 3/4—41 1/4	71.11—70.80
23	38 1/4—38 3/4	72.40—72.01	38 —38 3/4	72.46—72.40	39 3/4—40 1/4	71.56—71.36	39 3/4—40 1/4	71.56—71.36	40 3/4—41	71.17—70.92	40 3/4—41	71.17—70.92
24	37 1/2—38 3/4	72.73—72.14	Sunday	Sunday	39 3/4—40 1/4	71.75—71.56	39 3/4—40 1/4	71.75—71.56	Sunday	Sunday	Sunday	Sunday
25	36 3/4—37 1/2	73.19—72.73	38 3/4—38 3/4	72.46—72.33	39 3/4—39 3/4	71.81—71.56	39 3/4—39 3/4	71.81—71.56	40 1/2—41 1/4	71.17—70.86	40 1/2—41 1/4	71.17—70.86
26	Sunday	Sunday	38 —38 3/4	72.46—72.07	39 3/4—39 3/4	71.68—71.56	39 3/4—39 3/4	71.68—71.56	41 —41 1/4	70.92—70.67	41 —41 1/4	70.92—70.67
27	36 1/2—37 1/4	73.26—72.86	37 3/4—38 1/4	72.60—72.40	39 3/4—40 3/4	71.56—71.24	39 3/4—40 3/4	71.56—71.24	41 3/4—42 3/4	70.61—70.24	41 3/4—42 3/4	70.61—70.24
28	36 3/4—37 3/4	73.13—72.93	37 3/4—38 1/4	72.60—72.33	Sunday	Sunday	Sunday	Sunday	41 3/4—42 3/4	70.55—70.30	41 3/4—42 3/4	70.55—70.30
29	37 —38	72.99—72.46	38 1/4—38 1/4	72.40—72.20	40 —40 3/4	71.43—71.05	40 —40 3/4	71.43—71.05	41 3/4—42 3/4	70.67—70.55	41 3/4—42 3/4	70.67—70.55
30	37 1/4—37 3/4	72.86—72.53	Sunday	Sunday	39 3/4—40 3/4	71.56—71.36	39 3/4—40 3/4	71.56—71.36				
31	36 3/4—37 1/4	73.13—72.86	.....	.....	.....	.....	.....	.....				

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.  
1867.

	SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold	
1	Sunday											
2	41 — 41 ½	70.92—70.73		43 ¼ — 43 ½	69.91—69.69		40 ½ — 41 ¼	71.17—70.86		Sunday		
3	41 — 41 ½	70.92—70.67		43 ½ — 44 ¼	69.69—69.38		40 ½ — 41 ½	71.05—70.67		36 ½ — 37 ¾	73.26—72.79	
4	41 ½ — 42 ¼	70.67—70.36		44 ¼ — 45 ¼	69.26—68.67		Sunday			36 ½ — 37 ¾	73.19—72.73	
5	42 — 42 ½	70.42—70.18		44 ¼ — 45	69.20—68.85		39 ¾ — 41 ¾	71.75—70.73		37 — 37 ¾	72.99—72.60	
6	42 ¼ — 42 ¾	70.30—70.05		44 ¾ — 45	69.14—68.97		39 ¾ — 40 ¾	71.68—71.24		36 ¾ — 37 ¾	73.06—72.79	
7	42 ¼ — 42 ¾	70.30—70.05		Sunday			38 ¾ — 39 ¼	72.14—71.81		37 ¾ — 37 ¾	72.73—72.53	
8	Sunday			44 ¾ — 45 ¼	69.03—68.85		38 ¾ — 39 ¼	72.20—71.88		36 ¾ — 37 ¾	73.19—72.79	
9	42 ¾ — 44 ¼	70.05—69.32		44 ¾ — 45 ¼	69.08—68.91		38 ¾ — 39 ¼	72.07—71.88		Sunday		
10	43 ½ — 44 ¼	69.69—69.32		43 — 44 ¾	69.93—69.08		38 ¾ — 39 ¼	72.20—71.81		36 ¾ — 37 ¾	73.26—72.93	
11	44 ¼ — 45 ¾	69.38—68.67		43 ¼ — 44	69.87—69.44		Sunday			35 ½ — 36 ½	73.80—73.26	
12	45 ¾ — 46 ¾	68.67—68.32		43 ¾ — 43 ¾	69.63—69.50		38 ¾ — 39	72.07—71.94		34 ¾ — 35 ¾	74.28—73.80	
13	44 ¾ — 46	69.14—68.49		44 ¼ — 44 ¾	69.38—69.14		39 — 39 ¾	71.94—71.75		33 — 34 ¾	75.19—74.21	
14	44 ¼ — 44 ¾	69.38—69.08		Sunday			39 ¾ — 40 ¼	71.68—71.30		33 ¾ — 34	75.12—74.63	
15	Sunday			43 ¾ — 44 ¾	69.57—69.03		40 ¼ — 41 ¼	71.49—70.98		33 ¾ — 34 ¾	75.05—74.56	
16	44 — 44 ¾	69.44—69.14		43 ¼ — 44 ¾	69.69—69.26		39 ¾ — 40 ¾	71.17—70.86		Sunday		
17	44 ¼ — 44 ¾	69.38—69.14		43 — 43 ¾	69.93—69.57		39 ¾ — 40 ¾	71.56—71.36		33 ¾ — 34 ¾	74.84—74.28	
18	44 ¼ — 45 ½	69.20—68.73		43 — 44 ¾	69.93—69.20		Sunday			33 ¾ — 35	74.77—74.07	
19	44 — 45 ½	69.44—68.73		44 — 44 ¾	69.44—69.08		39 ¾ — 40 ¼	71.75—71.30		33 ¾ — 34 ¾	74.91—74.49	
20	42 ¾ — 43 ¾	70.05—69.50		43 ¾ — 44 ¾	69.57—69.38		39 ¾ — 39 ¾	71.68—71.49		33 ¾ — 34 ¾	74.91—74.56	
21	42 ½ — 43 ¾	70.18—69.81		Sunday			39 ¾ — 40	71.62—71.43		33 ¾ — 34 ¾	74.77—74.49	
22	Sunday			43 ¾ — 44	69.63—69.44		39 ¾ — 39 ¾	71.88—71.49		33 ¾ — 33 ¾	75.05—74.84	
23	42 ¾ — 43 ¾	69.99—69.63		43 ¾ — 43 ¾	69.87—69.63		39 ¾ — 39 ¾	72.01—71.68		Sunday		
24	42 ¼ — 43	70.30—69.93		42 ¾ — 43 ¾	69.75—69.63		39 ¾ — 40 ¼	71.81—71.36		38 — 33 ¾	75.19—75.05	
25	43 ¼ — 44	69.81—69.44		41 ¾ — 42 ¾	70.61—70.11		39 ¾ — 40 ¾	71.56—70.98		33 ¾ — 33 ¾	74.98—74.70	
26	43 — 43 ¾	69.93—69.57		41 ¾ — 42 ¼	70.73—70.30		39 ¾ — 40	71.81—71.43		Christmas		
27	43 ¼ — 43 ¾	69.81—69.63		Sunday			39 ¾ — 39 ¾	71.81—71.56		33 ¾ — 34 ¾	74.77—74.49	
28	43 — 43 ¾	69.93—69.69		42 — 42 ¾	70.42—70.05		Thanksgiving	72.01—71.81		33 ¾ — 34 ¾	74.77—74.56	
29	Sunday			41 ¾ — 42 ¼	70.48—70.30		38 ¾ — 39 ¾	72.01—71.81		33 ¾ — 33 ¾	74.98—74.77	
30	43 — 43 ¾	69.93—69.69		40 ¾ — 41 ¾	71.11—70.73		37 ¾ — 38 ¾	72.53—72.07		Sunday		
31	.....	.....		40 ¼ — 40 ¾	71.30—71.05		.....	.....		33 ¾ — 34	74.91—74.63	
										33 ¾ — 33 ¾	74.91—74.77	

Year	Month	Day	Temperature	Wind	Humidity	Clouds	Pressure	Notes
1911	Jan	1	38°	38%	38%	38%	38%	38%
1911	Jan	2	38°	38%	38%	38%	38%	38%
1911	Jan	3	38°	38%	38%	38%	38%	38%
1911	Jan	4	38°	38%	38%	38%	38%	38%
1911	Jan	5	38°	38%	38%	38%	38%	38%
1911	Jan	6	38°	38%	38%	38%	38%	38%
1911	Jan	7	38°	38%	38%	38%	38%	38%
1911	Jan	8	38°	38%	38%	38%	38%	38%
1911	Jan	9	38°	38%	38%	38%	38%	38%
1911	Jan	10	38°	38%	38%	38%	38%	38%
1911	Jan	11	38°	38%	38%	38%	38%	38%
1911	Jan	12	38°	38%	38%	38%	38%	38%
1911	Jan	13	38°	38%	38%	38%	38%	38%
1911	Jan	14	38°	38%	38%	38%	38%	38%
1911	Jan	15	38°	38%	38%	38%	38%	38%
1911	Jan	16	38°	38%	38%	38%	38%	38%
1911	Jan	17	38°	38%	38%	38%	38%	38%
1911	Jan	18	38°	38%	38%	38%	38%	38%
1911	Jan	19	38°	38%	38%	38%	38%	38%
1911	Jan	20	38°	38%	38%	38%	38%	38%
1911	Jan	21	38°	38%	38%	38%	38%	38%
1911	Jan	22	38°	38%	38%	38%	38%	38%
1911	Jan	23	38°	38%	38%	38%	38%	38%
1911	Jan	24	38°	38%	38%	38%	38%	38%
1911	Jan	25	38°	38%	38%	38%	38%	38%
1911	Jan	26	38°	38%	38%	38%	38%	38%
1911	Jan	27	38°	38%	38%	38%	38%	38%
1911	Jan	28	38°	38%	38%	38%	38%	38%
1911	Jan	29	38°	38%	38%	38%	38%	38%
1911	Jan	30	38°	38%	38%	38%	38%	38%
1911	Jan	31	38°	38%	38%	38%	38%	38%

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	MAY			JUNE			JULY			AUGUST		
	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold
1	39 ¼—39 ½	71.81—71.68	39 ¾—39 ¾	71.56—71.49	40 ¼—40 ¾	71.36—71.24	44 ¾—45 ¾	69.08—68.79	44 ¾—45 ¾	69.08—68.79	44 ¾—45 ¾	69.08—68.79
2	39 ¾—39 ¾	71.75—71.62	39 ¾—40 ¼	71.62—71.36	40 ¾—40 ¾	71.34—71.17	45 —45 ¾	68.97—68.67	45 —45 ¾	68.97—68.67	45 —45 ¾	68.97—68.67
3	Sunday	Sunday	39 ¾—40 ¼	71.49—71.30	40 ¾—40 ¾	71.30—71.17	Sunday	Sunday	45 —46 ¾	68.67—68.20	45 —46 ¾	68.67—68.20
4	39 ¾—39 ¾	71.88—71.68	40 —40 ¾	71.43—71.36	40 —40 ¾	Holiday	47 —48 ¾	68.03—67.45	47 —48 ¾	68.03—67.45	47 —48 ¾	68.03—67.45
5	39 ¾—39 ¾	71.88—71.75	39 ¾—40	71.56—71.43	40 ¼—40 ¾	Sunday	48 ¼—50	67.34—66.67	48 ¼—50	67.34—66.67	48 ¼—50	67.34—66.67
6	39 ¾—39 ¾	71.88—71.68	39 ¾—39 ¾	71.68—71.56	40 ¼—41	71.17—70.92	47 ¾—48 ¼	67.85—67.34	47 ¾—48 ¼	67.85—67.34	47 ¾—48 ¼	67.85—67.34
7	39 ¾—39 ¾	71.68—71.56	39 ¾—39 ¾	71.68—71.49	40 ¾—41	71.11—70.92	46 ¾—47 ¾	68.14—67.62	46 ¾—47 ¾	68.14—67.62	46 ¾—47 ¾	68.14—67.62
8	39 ¾—39 ¾	71.68—71.49	39 ¾—39 ¾	71.68—71.56	40 ¾—40 ¾	71.11—71.11	Sunday	Sunday	46 ¾—47 ¾	Sunday	46 ¾—47 ¾	Sunday
9	39 ¾—40 ¼	71.62—71.30	39 ¾—39 ¾	71.75—71.49	40 ¾—40 ¾	71.11—70.98	46 ¼—47 ¾	68.26—67.85	46 ¼—47 ¾	68.26—67.85	46 ¼—47 ¾	68.26—67.85
10	Sunday	Sunday	39 ¾—39 ¾	71.56—71.49	40 ¾—41 ¼	70.98—70.80	45 ¾—46 ¾	68.67—68.32	45 ¾—46 ¾	68.67—68.32	45 ¾—46 ¾	68.67—68.32
11	39 ¾—40 ¼	71.56—71.17	39 ¾—39 ¾	71.49—71.36	41 ¼—41 ¾	70.80—70.48	46 ¼—46 ¾	68.38—68.08	46 ¼—46 ¾	68.38—68.08	46 ¼—46 ¾	68.38—68.08
12	39 ¾—39 ¾	71.75—71.56	39 ¾—39 ¾	71.75—71.49	41 ¾—42 ¼	70.81—70.36	47 ¼—47 ¾	67.97—67.68	47 ¼—47 ¾	67.97—67.68	47 ¼—47 ¾	67.97—67.68
13	39 ¾—39 ¾	71.62—71.49	40 —40 ¾	71.43—71.30	41 ¾—42 ¾	70.48—70.11	46 ¾—48	68.14—67.57	46 ¾—48	68.14—67.57	46 ¾—48	68.14—67.57
14	39 ¾—40 ¼	71.56—71.30	40 —40 ¾	71.43—71.30	42 ¾—42 ¾	70.30—69.99	46 ¾—46 ¾	68.32—68.08	46 ¾—46 ¾	68.32—68.08	46 ¾—46 ¾	68.32—68.08
15	39 ¾—39 ¾	71.62—71.49	40 ¾—41 ¼	71.24—70.80	42 ¾—43 ¾	70.11—69.75	Sunday	Sunday	46 ¼—47 ¼	Sunday	46 ¼—47 ¼	Sunday
16	39 ¾—39 ¾	71.75—71.49	40 ¾—40 ¾	71.43—71.24	43 ¾—44	69.81—69.44	45 ¾—46 ¾	68.55—68.20	45 ¾—46 ¾	68.55—68.20	45 ¾—46 ¾	68.55—68.20
17	Sunday	Sunday	40 —40 ¾	71.36—71.05	43 ¾—44	Sunday	44 ¾—45 ¾	69.03—68.73	44 ¾—45 ¾	69.03—68.73	44 ¾—45 ¾	69.03—68.73
18	39 ¾—39 ¾	71.81—71.68	40 —40 ¾	71.36—71.24	43 —43 ¾	69.93—69.63	43 ¾—44 ¾	69.69—69.03	43 ¾—44 ¾	69.69—69.03	43 ¾—44 ¾	69.69—69.03
19	39 ¾—39 ¾	71.75—71.56	40 ¾—40 ¾	71.36—71.24	42 ¾—43 ¾	70.11—69.81	43 ¾—44 ¾	69.50—69.08	43 ¾—44 ¾	69.50—69.08	43 ¾—44 ¾	69.50—69.08
20	39 ¾—39 ¾	71.62—71.49	40 ¾—40 ¾	71.30—71.11	43 —43 ¾	69.93—69.63	Sunday	Sunday	43 ¾—44 ¾	Sunday	43 ¾—44 ¾	Sunday
21	39 ¾—39 ¾	71.56—71.49	40 ¾—40 ¾	71.36—71.24	43 ¾—43 ¾	69.87—69.75	44 ¾—45	69.20—68.49	44 ¾—45	69.20—68.49	44 ¾—45	69.20—68.49
22	39 ¾—40	71.56—71.43	40 ¾—40 ¾	71.30—71.11	43 ¾—43 ¾	69.93—69.69	44 ¾—45	69.44—68.97	44 ¾—45	69.44—68.97	44 ¾—45	69.44—68.97
23	39 ¾—39 ¾	71.62—71.49	40 ¾—40 ¾	71.36—71.17	43 ¾—43 ¾	69.87—69.75	Sunday	Sunday	44 ¾—45	Sunday	44 ¾—45	Sunday
24	Sunday	Sunday	40 ¾—40 ¾	71.43—71.24	43 ¾—44 ¾	69.69—69.32	44 ¾—45	69.14—68.73	44 ¾—45	69.14—68.73	44 ¾—45	69.14—68.73
25	39 ¾—40	71.49—71.43	40 ¾—40 ¾	71.43—71.24	43 ¾—44 ¾	69.57—69.20	44 ¾—45	69.26—68.85	44 ¾—45	69.26—68.85	44 ¾—45	69.26—68.85
26	39 ¾—40 ¼	71.49—71.36	40 —40 ¾	71.43—71.24	44 —44 ¾	69.44—69.20	44 ¾—45	69.08—68.97	44 ¾—45	69.08—68.97	44 ¾—45	69.08—68.97
27	39 ¾—40 ¾	71.62—71.36	40 —40 ¾	71.43—71.24	44 ¾—45 ¾	69.14—68.85	44 ¾—45	69.20—68.85	44 ¾—45	69.20—68.85	44 ¾—45	69.20—68.85
28	39 ¾—39 ¾	71.62—71.49	Sunday	Sunday	44 —44 ¾	69.44—69.20	44 ¾—45	69.14—68.85	44 ¾—45	69.14—68.85	44 ¾—45	69.14—68.85
29	39 ¾—39 ¾	71.88—71.68	40 —40 ¾	71.43—71.30	44 ¾—45 ¾	69.14—68.85	44 ¾—45	69.20—68.97	44 ¾—45	69.20—68.97	44 ¾—45	69.20—68.97
30	39 ¾—39 ¾	71.68—71.56	40 ¾—40 ¾	71.36—71.24	44 ¾—45 ¾	69.14—68.85	44 ¾—45	69.20—68.97	44 ¾—45	69.20—68.97	44 ¾—45	69.20—68.97
31	Sunday	Sunday	.....	.....	44 ¾—45 ¾	69.14—68.85	44 ¾—45	69.20—68.97	44 ¾—45	69.20—68.97	44 ¾—45	69.20—68.97



TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.  
1868.

	SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold
1	44 1/2—45	69.14—68.97	39 1/2—40 1/2	39 1/2—40 1/2	71.68—71.36	33—33 1/2	33—33 1/2	75.19—74.84	35—35 1/2	74.07—73.94	35—35 1/2	74.07—73.94
2	44 1/2—45 1/2	69.08—68.91	39 1/2—40 1/2	39 1/2—40 1/2	71.88—71.36	33 1/2—33 1/2	33 1/2—33 1/2	75.05—74.70	34 1/2—35 1/2	74.14—73.94	34 1/2—35 1/2	74.14—73.94
3	43 1/2—44 1/2	69.50—69.14	39 1/2—40 1/2	39 1/2—40 1/2	71.62—71.17	33—33 1/2	33—33 1/2	75.19—74.77	34 1/2—35 1/2	74.14—73.94	34 1/2—35 1/2	74.14—73.94
4	43 1/2—44 1/2	69.57—69.32	Sunday	Sunday	Sunday	33—33 1/2	33—33 1/2	75.19—74.77	34 1/2—35 1/2	73.94—73.66	34 1/2—35 1/2	73.94—73.66
5	44 1/2—44 1/2	69.32—69.08	39 1/2—40 1/2	39 1/2—40 1/2	71.49—71.24	32 1/2—32 1/2	32 1/2—32 1/2	75.54—75.38	35 1/2—36 1/2	73.80—73.13	35 1/2—36 1/2	73.80—73.13
6	Sunday	Sunday	39 1/2—40 1/2	39 1/2—40 1/2	71.56—71.30	32 1/2—33 1/2	32 1/2—33 1/2	75.69—75.12	Sunday	Sunday	Sunday	Sunday
7	44 1/2—45	69.14—68.97	39 1/2—40 1/2	39 1/2—40 1/2	71.49—71.80	33 1/2—34 1/2	33 1/2—34 1/2	74.77—74.35	35 1/2—36 1/2	73.73—73.39	35 1/2—36 1/2	73.73—73.39
8	44 1/2—44 1/2	69.38—69.20	38 1/2—39 1/2	38 1/2—39 1/2	72.01—71.68	Sunday	Sunday	74.56—74.21	35 1/2—36 1/2	73.80—73.39	35 1/2—36 1/2	73.80—73.39
9	44 1/2—44 1/2	69.38—69.20	38 1/2—39 1/2	38 1/2—39 1/2	72.07—71.88	34 1/2—34 1/2	34 1/2—34 1/2	74.56—74.21	35 1/2—36 1/2	73.87—73.66	35 1/2—36 1/2	73.87—73.66
10	44 1/2—44 1/2	69.26—69.14	38 1/2—38 1/2	38 1/2—38 1/2	72.40—72.01	34 1/2—35 1/2	34 1/2—35 1/2	74.42—73.66	35 1/2—36 1/2	73.66—73.46	35 1/2—36 1/2	73.66—73.46
11	43 1/2—44 1/2	69.50—69.32	Sunday	Sunday	Sunday	33 1/2—34 1/2	33 1/2—34 1/2	74.77—74.42	35 1/2—36 1/2	73.73—73.39	35 1/2—36 1/2	73.73—73.39
12	44—44 1/2	69.44—69.26	37 1/2—38 1/2	37 1/2—38 1/2	72.86—72.33	33 1/2—34 1/2	33 1/2—34 1/2	74.84—74.35	35 1/2—36 1/2	73.80—73.66	35 1/2—36 1/2	73.80—73.66
13	Sunday	Sunday	37 1/2—38 1/2	37 1/2—38 1/2	72.79—72.46	33 1/2—34 1/2	33 1/2—34 1/2	74.98—74.70	Sunday	Sunday	Sunday	Sunday
14	43 1/2—44 1/2	69.63—69.38	36 1/2—37 1/2	36 1/2—37 1/2	73.13—72.53	34 1/2—35 1/2	34 1/2—35 1/2	74.49—74.07	35 1/2—36 1/2	74.01—73.73	35 1/2—36 1/2	74.01—73.73
15	43 1/2—44 1/2	69.57—69.38	37 1/2—38 1/2	37 1/2—38 1/2	72.66—72.20	Sunday	Sunday	73.80—72.99	35 1/2—36 1/2	74.01—73.87	35 1/2—36 1/2	74.01—73.87
16	44 1/2—44 1/2	69.38—69.03	37 1/2—37 1/2	37 1/2—37 1/2	72.86—72.66	35 1/2—36 1/2	35 1/2—36 1/2	74.49—73.19	35 1/2—36 1/2	74.01—73.73	35 1/2—36 1/2	74.01—73.73
17	44 1/2—44 1/2	69.26—69.03	36 1/2—37 1/2	36 1/2—37 1/2	73.26—72.73	34 1/2—35 1/2	34 1/2—35 1/2	74.70—73.94	34 1/2—35 1/2	74.42—74.14	34 1/2—35 1/2	74.42—74.14
18	44 1/2—44 1/2	69.26—69.08	Sunday	Sunday	Sunday	33 1/2—35 1/2	33 1/2—35 1/2	74.70—73.94	34 1/2—35 1/2	74.35—73.80	34 1/2—35 1/2	74.35—73.80
19	41 1/2—44 1/2	69.38—69.14	36 1/2—37 1/2	36 1/2—37 1/2	73.19—72.79	34 1/2—35 1/2	34 1/2—35 1/2	74.35—74.07	35—35 1/2	74.07—73.66	35—35 1/2	74.07—73.66
20	Sunday	Sunday	36 1/2—37 1/2	36 1/2—37 1/2	73.06—72.79	34 1/2—35 1/2	34 1/2—35 1/2	74.49—74.07	Sunday	Sunday	Sunday	Sunday
21	43 1/2—44 1/2	69.57—69.38	36 1/2—36 1/2	36 1/2—36 1/2	73.26—73.06	34 1/2—35 1/2	34 1/2—35 1/2	74.42—74.21	34 1/2—35 1/2	74.14—73.60	34 1/2—35 1/2	74.14—73.60
22	42 1/2—43 1/2	70.11—69.69	35 1/2—35 1/2	35 1/2—35 1/2	73.94—73.60	Sunday	Sunday	74.63—74.21	34 1/2—35 1/2	74.14—73.80	34 1/2—35 1/2	74.14—73.80
23	42 1/2—43 1/2	70.05—69.87	35—36	35—36	74.07—73.53	34—34 1/2	34—34 1/2	74.63—74.21	34 1/2—35 1/2	74.21—74.07	34 1/2—35 1/2	74.21—74.07
24	41 1/2—42 1/2	70.86—70.24	34 1/2—35 1/2	34 1/2—35 1/2	74.42—74.01	34 1/2—34 1/2	34 1/2—34 1/2	74.35—74.14	34 1/2—35 1/2	74.35—74.07	34 1/2—35 1/2	74.35—74.07
25	41 1/2—42 1/2	70.61—70.18	Sunday	Sunday	Sunday	34 1/2—35 1/2	34 1/2—35 1/2	74.35—73.80	Christmas	Christmas	Christmas	Christmas
26	41 1/2—42 1/2	70.18—70.18	33 1/2—34 1/2	33 1/2—34 1/2	74.77—74.28	Thanksgiving	Thanksgiving	Thanksgiving	34 1/2—35 1/2	74.21—74.07	34 1/2—35 1/2	74.21—74.07
27	Sunday	Sunday	34 1/2—34 1/2	34 1/2—34 1/2	74.56—74.14	35—35 1/2	35—35 1/2	74.07—73.60	Sunday	Sunday	Sunday	Sunday
28	41 1/2—42 1/2	70.86—70.30	33 1/2—34 1/2	33 1/2—34 1/2	71.70—74.42	34 1/2—35 1/2	34 1/2—35 1/2	74.21—73.87	34 1/2—35 1/2	74.21—74.07	34 1/2—35 1/2	74.21—74.07
29	41 1/2—41 1/2	70.86—70.55	34 1/2—34 1/2	34 1/2—34 1/2	74.56—74.28	Sunday	Sunday	Sunday	34 1/2—35 1/2	74.21—74.07	34 1/2—35 1/2	74.21—74.07
30	41 1/2—41 1/2	70.86—70.73	34—34 1/2	34—34 1/2	74.63—74.35	35 1/2—35 1/2	35 1/2—35 1/2	74.01—73.66	34 1/2—35 1/2	74.28—74.14	34 1/2—35 1/2	74.28—74.14
31	.....	.....	33 1/2—34	33 1/2—34	74.77—74.63	.....	.....	.....	34 1/2—35	74.28—74.07	34 1/2—35	74.28—74.07

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	JANUARY			FEBRUARY			MARCH			APRIL		
	Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold	
1	Holiday	Holiday		35%—36%	73.73—73.39		31—32%	76.34—75.69		31%—31%	76.12—75.90	
2	34%—35%	74.21—73.80		35%—35%	73.87—73.66		31%—32%	75.90—75.47		31%—32	76.05—75.76	
3	Sunday	Sunday		35%—35%	73.80—73.66		31%—32%	75.97—75.47		31%—31%	76.19—76.05	
4	35—35%	74.07—73.80		35%—35%	74.01—73.73		31%—32	76.05—75.76		Sunday	Sunday	
5	34%—35%	74.28—74.01		35—35%	74.07—73.94		31—31%	76.34—75.97		31%—31%	76.12—75.90	
6	34%—35%	74.14—74.01		35—35%	74.07—73.94		30%—31%	76.78—76.05		31%—31%	76.05—75.83	
7	35%—35%	74.01—73.87		Sunday	Sunday		Sunday	Sunday		31%—31%	75.97—75.83	
8	34%—35%	74.21—74.01		35%—35%	74.01—73.80		31%—32	76.19—75.76		31%—32%	75.97—75.61	
9	35%—35%	74.01—73.87		34%—35%	74.14—73.94		30%—31%	76.48—76.05		32%—33%	75.69—75.05	
10	Sunday	Sunday		35—35%	74.07—73.87		31%—31%	76.12—75.83		Sunday	Sunday	
11	35%—35%	74.01—73.66		35—35%	74.07—73.87		31%—31%	76.34—76.12		32%—33%	75.26—74.84	
12	35%—35%	73.94—73.80		34%—35%	74.14—73.94		31%—31%	76.26—76.12		32%—32%	75.54—75.26	
13	35%—35%	73.80—73.60		35—35%	74.07—73.87		31—31%	76.41—75.97		32%—33%	75.47—75.33	
14	36%—36%	73.46—73.26		34%—35%	74.14—73.94		31%—31%	76.12—75.90		32%—33%	75.40—74.98	
15	36%—36%	73.39—73.26		Sunday	Sunday		Sunday	Sunday		33—33%	75.19—74.91	
16	36%—36%	73.46—73.33		35—35%	74.07—73.94		30%—31%	76.41—75.97		Sunday	Sunday	
17	Sunday	Sunday		35—35%	74.07—74.01		31%—31%	76.12—75.90		33%—33%	74.91—74.70	
18	35%—36%	73.60—73.46		34%—35%	74.14—73.94		31%—31%	75.97—75.83		33%—34%	74.70—74.28	
19	35%—35%	73.87—73.66		34%—34%	74.49—74.14		30%—31%	76.48—76.19		34%—34%	74.49—74.28	
20	35%—35%	73.94—73.80		33%—34	74.98—74.63		30%—31%	76.03—76.12		33%—33%	75.05—74.77	
21	35%—35%	73.73—73.60		33%—33%	75.05—74.77		30%—31%	76.48—76.26		33%—83%	75.05—74.91	
22	35%—35%	73.87—73.60		Sunday	Sunday		Sunday	Sunday		Sunday	Sunday	
23	35%—36%	73.60—73.39		Holiday	Holiday		31—31%	76.34—76.12		33%—34%	74.91—74.84	
24	Sunday	Sunday		32%—33%	75.47—75.12		31—31%	76.34—76.19		34—34%	74.63—74.21	
25	36%—36%	73.39—73.19		32%—32%	75.61—75.26		31%—31%	76.19—76.05		33%—33%	75.05—74.77	
26	36%—36%	73.39—73.06		32%—33%	75.40—75.05		31—31%	76.34—76.19		33%—83%	75.05—74.91	
27	36%—36%	73.39—73.19		31%—32%	75.83—75.47		Holiday	Holiday		Sunday	Sunday	
28	36%—36%	73.33—73.19		30%—31%	76.41—75.83		31—31%	76.34—76.19		33%—33%	74.98—74.84	
29	36%—36%	73.33—73.19		Sunday	Sunday		Sunday	Sunday		33%—34	74.91—74.63	
30	36%—36%	73.33—73.19					31%—31%	76.26—76.05		33%—34%	74.84—74.42	
31	Sunday	Sunday					31%—31%	76.12—75.97		34—34%	74.63—74.91	
							31%—31%	76.19—75.97				



TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold	
1	33 1/2—33 3/4	75.12—74.84		30—30 3/4	76.92—76.56		28—28 1/2	78.12—77.90		21 1/2—22 1/4	82.30—81.88	
2	33 1/2—34 1/4	75.12—74.49		30—30 1/4	76.92—76.63		27 1/4—28	78.59—78.12		22 1/2—22 3/4	81.88—81.55	
3	35 1/4—36	73.94—73.53		Sunday	Sunday		27 1/4—27 1/2	78.66—78.35		22 1/2—22 3/4	81.88—81.72	
4	35 1/2—37 1/4	73.80—72.79		29—30	77.52—76.92		26 1/2—27 1/4	79.13—78.59		22 1/2—22 3/4	81.72—81.22	
5	Sunday	Sunday		28 1/2—30 1/4	77.59—76.48		26 1/4—27 1/4	79.21—78.59	Sunday	Sunday	Sunday	
6	36 1/4—37 1/4	73.39—72.60		29 1/2—30 3/4	77.00—76.48		26 1/2—27 1/2	79.05—78.51	Sunday	22 1/2—23 1/4	81.47—80.89	
7	36 1/4—37	73.46—72.99		31 1/4—32	76.26—75.76		Sunday	Sunday	Sunday	22 1/2—23 1/4	81.47—81.05	
8	34 1/4—36 1/4	74.35—73.46		30 1/2—31 1/4	76.58—75.97		26 1/2—26 1/2	78.97—78.82		23 1/4—24	80.97—80.65	
9	34 1/4—35 1/4	74.21—73.60		30 1/4—30 3/4	76.63—76.41		26 1/2—27 1/4	78.82—78.66		23 1/2—23 3/4	80.97—80.73	
10	35—35 1/4	74.07—73.94		Sunday	Sunday		26 1/2—27	79.05—78.74		22 1/2—23 1/4	81.38—81.14	
11	35 1/4—35 1/2	73.94—73.60		30 1/4—30 3/4	76.78—76.41		26 1/2—27	78.97—78.82	Sunday	23—23 1/2	81.30—81.05	
12	Sunday	Sunday		30 1/4—30 3/4	76.85—76.70		26 1/2—28 1/2	78.90—78.74	Sunday	Sunday	Sunday	
13	35 1/2—35 3/4	73.80—73.60		30 1/2—30 3/4	76.85—76.78		26 1/2—27	Sunday	Sunday	22 1/2—23	81.72—81.30	
14	35 1/2—36 1/4	73.66—73.26		30—30 1/4	76.92—76.85		Sunday	Sunday	Sunday	22 1/2—22 3/4	81.88—81.72	
15	35 1/2—36 1/4	73.60—73.26		30—30 1/4	76.92—76.85		26 1/2—27 1/4	78.97—78.59		21 1/2—21 3/4	82.30—82.05	
16	36 1/4—36 1/2	73.39—73.26		30—30 1/4	76.92—76.85		27 1/4—27 1/2	78.66—78.59		21 1/2—22 1/4	82.30—81.88	
17	36 1/4—36 1/2	73.39—73.13		Sunday	Sunday		26 1/2—27 1/4	78.82—78.66		20 1/2—22	83.25—81.97	
18	36 1/4—36 1/2	73.26—73.13		30—30 1/4	76.92—76.70		Thanksgiving	Thanksgiving		20 1/2—20 3/4	83.16—82.73	
19	Sunday	Sunday		30—30 1/4	76.92—76.85		26 1/2—26 1/2	79.05—78.90	Sunday	Sunday	Sunday	
20	36 1/2—37 1/4	73.13—72.79		30—30 1/4	76.92—76.85		26 1/2—26 1/2	79.13—78.97	Sunday	20 1/2—21 1/4	83.07—82.47	
21	37 1/2—37 3/4	72.73—72.60		30 1/2—31 1/4	76.85—76.26		Sunday	Sunday	Sunday	19 1/2—20 1/4	83.51—83.16	
22	37 1/2—40 1/4	72.79—71.11		30 1/2—31 1/4	76.41—75.90		26 1/2—26 1/2	79.21—79.05		20 1/2—20 3/4	83.25—82.73	
23	41—44 1/4	70.92—69.32		30 1/2—31 1/4	76.41—76.05		26 1/2—26 1/2	79.05—78.82		20 1/2—21	82.99—82.64	
24	33—62 1/2	75.19—61.54		Sunday	Sunday		26—26 1/2	79.37—78.97		20 1/2—20 3/4	82.90—82.82	
25	Adjournment	Adjournment		30 1/2—31 1/4	76.41—76.19		24 1/2—25 1/4	80.08—79.52	Christmas	Christmas	Christmas	
26	(Sunday)	(Sunday)		30 1/2—30 3/4	76.85—76.78		24 1/2—25 1/4	80.40—80.08	Sunday	Sunday	Sunday	
27	following	following		30—30 1/4	76.92—76.85		24 1/2—25 1/4	80.48—79.92	Sunday	20 1/2—20 3/4	83.25—82.90	
28	"Black	"Black		28 1/2—29 1/4	77.67—77.22		Sunday	Sunday	Sunday	20 1/2—20 3/4	83.25—83.07	
29	"Friday"	"Friday"		28 1/2—28 3/4	78.05—77.59		21 1/2—23	82.30—81.30		19 1/2—20	88.51—88.38	
30	30 1/2—32	76.56—75.76		28 1/2—29 1/4	77.75—77.37		21 1/2—23 1/2	82.56—81.22		19 1/2—20 1/4	83.68—83.25	
31	.....	.....		Sunday	Sunday		.....	.....		19 1/2—20 3/4	83.59—83.07	

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.  
1870.

	JANUARY			FEBRUARY			MARCH			APRIL		
	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold
1	Holiday	Holiday	21 1/2—21 3/4	82.56—82.99	15—16	86.96—86.21	11 1/2—11 1/4	89.69—89.39	11 1/2—11 1/4	89.69—89.39		
2	Sunday	Sunday	21 1/2—21 1/4	82.47—82.80	15 1/2—16 1/2	86.39—85.93	11 1/2—11 1/4	89.69—89.49	11 1/2—11 1/4	89.69—89.49		
3	19 3/4—20 1/4	83.59—83.16	20 3/4—20 3/4	82.82—82.39	15 1/2—15 1/2	86.86—86.49	Sunday	Sunday	Sunday	Sunday		
4	19 3/4—19 3/4	83.77—83.59	20 3/4—20 3/4	83.07—82.82	13 1/2—14	88.40—87.72	11 1/2—11 1/4	89.69—89.39	11 1/2—11 1/4	89.69—89.39		
5	19 3/4—20	83.59—83.33	20 1/2—21	82.99—82.64	13 1/2—14	88.11—87.72	11 1/2—11 1/4	89.39—89.19	11 1/2—11 1/4	89.39—89.19		
6	20 1/4—20 3/4	83.25—82.82	Sunday	Sunday	Sunday	Sunday	11 1/2—11 1/4	89.49—89.19	11 1/2—11 1/4	89.49—89.19		
7	21 1/4—21 3/4	82.56—82.05	20 1/2—21 1/4	82.99—82.56	12 1/2—13 1/4	88.89—88.30	11 1/2—11 1/4	89.39—89.19	11 1/2—11 1/4	89.39—89.19		
8	21 3/4—23	82.05—81.30	20 1/2—21	82.99—82.64	10 1/2—12 1/2	90.19—88.89	12 1/2—12 1/2	89.19—88.99	12 1/2—12 1/2	89.19—88.99		
9	Sunday	Sunday	20 1/2—20 3/4	82.99—82.82	10 1/2—11 1/4	90.70—89.69	12 1/2—13 1/4	88.99—88.40	12 1/2—13 1/4	88.99—88.40		
10	21 3/4—23 1/4	82.05—81.14	20 3/4—20 3/4	83.07—82.82	10 1/2—11 1/4	90.50—89.89	Sunday	Sunday	Sunday	Sunday		
11	21 3/4—22 1/2	82.14—81.63	19 3/4—20 1/4	83.51—83.16	12 1/2—13 1/4	88.99—87.82	13 1/2—14 1/4	88.01—87.62	13 1/2—14 1/4	88.01—87.62		
12	22—22 1/2	81.97—81.63	19 3/4—20 1/4	83.42—83.25	11 1/2—12 1/2	89.49—88.69	12 1/2—12 1/2	88.79—88.20	12 1/2—12 1/2	88.79—88.20		
13	21 1/2—21 3/4	82.56—82.22	Sunday	Sunday	Sunday	Sunday	12 1/2—12 1/2	88.89—88.50	12 1/2—12 1/2	88.89—88.50		
14	21 1/2—21 3/4	82.30—82.05	19 1/2—19 3/4	83.68—83.42	11 1/2—13 1/4	89.59—88.20	12 1/2—13	Holiday	12 1/2—13	Holiday		
15	21 1/4—21 3/4	82.47—82.22	19 1/2—20	83.68—83.33	11 1/2—12 1/2	89.59—88.99	Holiday	Holiday	13 1/2—13 1/2	Holiday		
16	Sunday	Sunday	19 3/4—20	83.59—83.33	11 1/2—12 1/2	89.49—89.09	13 1/2—13 1/2	88.30—87.91	13 1/2—13 1/2	88.30—87.91		
17	21 3/4—21 5/4	82.39—82.22	19 3/4—19 3/4	83.77—83.51	12—12 1/2	89.29—88.69	Sunday	Sunday	Sunday	Sunday		
18	21 5/4—21 3/4	82.22—82.05	19—19 3/4	84.03—83.77	12—12 1/2	89.39—89.09	13 1/2—13 1/2	88.30—87.91	13 1/2—13 1/2	88.30—87.91		
19	21 1/2—21 3/4	82.30—82.22	18 3/4—19 1/4	84.12—83.88	12—12 1/2	89.29—88.79	13 1/2—13 1/2	88.30—88.01	13 1/2—13 1/2	88.30—88.01		
20	21—21 1/2	82.64—82.30	Sunday	Sunday	Sunday	Sunday	13 1/2—13 1/2	88.30—88.01	13 1/2—13 1/2	88.30—88.01		
21	20 1/2—21	82.99—82.64	18 3/4—19 1/4	84.21—83.88	12 1/2—12 1/2	89.09—88.69	12 1/2—13 1/2	88.59—88.11	12 1/2—13 1/2	88.59—88.11		
22	20 1/4—20 3/4	83.16—82.73	Holiday	Holiday	12 1/2—12 1/2	89.09—88.89	12 1/2—13 1/2	88.69—88.01	12 1/2—13 1/2	88.69—88.01		
23	Sunday	Sunday	17 3/4—18 3/4	84.93—84.21	12 1/2—12 1/2	89.09—88.69	13 1/2—13 1/2	88.40—88.11	13 1/2—13 1/2	88.40—88.11		
24	20 3/4—21 5/4	82.73—82.22	16 1/4—17 1/2	86.02—85.02	12 1/2—12 1/2	89.09—88.79	Sunday	Sunday	Sunday	Sunday		
25	21—21 1/4	82.64—82.56	16 1/4—17 1/4	86.11—85.29	11 1/2—12 1/2	89.49—88.99	13 1/2—13 1/2	88.11—87.82	13 1/2—13 1/2	88.11—87.82		
26	21 1/2—22	82.30—81.97	15 3/4—17 1/4	86.39—85.29	11 1/2—11 1/2	89.79—89.49	13 1/2—13 1/2	88.30—87.91	13 1/2—13 1/2	88.30—87.91		
27	21 1/2—22 1/4	82.30—81.88	Sunday	Sunday	Sunday	Sunday	13 1/2—14 1/4	87.82—87.15	13 1/2—14 1/4	87.82—87.15		
28	21 3/4—21 3/4	82.39—82.14	15—16 1/2	86.96—85.74	11 1/2—11 1/2	89.59—89.49	14 1/2—15 1/4	87.24—86.58	14 1/2—15 1/4	87.24—86.58		
29	21 1/4—21 1/2	82.47—82.30	11 1/2—12 1/2	89.39—89.09	11 1/2—12 1/2	89.39—89.09	14 1/2—15 1/4	87.15—86.49	14 1/2—15 1/4	87.15—86.49		
30	Sunday	Sunday	11 1/2—12 1/2	89.39—89.19	11 1/2—12 1/2	89.39—89.19	14 1/2—15 1/4	87.34—86.77	14 1/2—15 1/4	87.34—86.77		
31	21 1/4—21 3/4	82.56—82.39	11 1/2—12 1/2	89.39—89.19	11 1/2—12 1/2	89.39—89.19	14 1/2—15 1/4	87.34—86.77	14 1/2—15 1/4	87.34—86.77		

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.  
1870.

	MAY			JUNE			JULY			AUGUST		
	Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold	
1	Sunday	87.05—86.58		14 1/4—14 1/4	87.53—87.24		12 1/2—12 1/2	89.19—88.89		20 1/2—21 1/2	82.73—82.22	
2	14 1/2—15 1/2	87.05—86.58		14 1/4—14 1/4	87.34—87.15		11 1/2—13 1/4	89.49—89.09		21 1/2—22	82.22—81.97	
3	14 1/2—15	87.34—86.96		14 1/4—14 1/4	87.43—87.24		Sunday	Holiday		21 1/2—21 1/2	82.47—82.22	
4	14 1/2—14 1/2	87.43—87.05		14 1/4—14 1/2	87.53—87.34		Holiday			21 1/2—22	82.22—81.97	
5	14 1/2—14 1/2	87.43—87.24		Sunday	Sunday		11 1/2—11 1/2	89.79—89.39		21 1/2—21 1/2	82.56—82.30	
6	14 1/2—14 1/2	87.24—87.05		13 1/2—14 1/4	87.83—87.43		11 1/2—11 1/2	89.99—89.49		20 1/2—21 1/2	82.82—82.39	
7	14 1/2—15 1/4	87.15—86.86		13 1/4—14	88.11—87.72		11 1/2—12 1/4	89.89—89.19		Sunday	Sunday	
8	Sunday	Sunday		13 1/2—13 1/2	88.40—88.11		11 1/2—12 1/2	89.49—89.09		18 1/2—19 1/2	84.30—83.59	
9	14 1/2—14 1/2	87.34—87.05		13 1/2—13 1/2	88.20—87.91		12—12 1/2	89.29—88.69		17 1/2—18 1/2	84.84—84.30	
10	14 1/2—15 1/2	87.24—86.96		13 1/4—13 1/4	88.30—88.20		Sunday	Sunday		16 1/2—18	85.65—84.75	
11	14 1/2—15 1/4	87.05—86.77		Sunday	Sunday		13 1/2—15 1/4	88.40—86.86		15 1/2—17 1/2	86.30—85.20	
12	15—15 1/2	86.96—86.58		12 1/2—13	88.69—88.40		13—14 1/2	88.50—87.62		17 1/2—18	85.38—84.75	
13	14 1/2—15 1/2	87.15—86.86		12 1/2—13	88.69—88.20		12—12 1/2	89.29—88.69		17 1/2—17 1/2	85.11—84.84	
14	14 1/2—14 1/2	87.24—87.05		12 1/2—13	88.69—88.50		12 1/2—13 1/2	88.69—87.82		Sunday	Sunday	
15	Sunday	Sunday		12 1/2—13 1/2	88.40—88.20		14—15 1/4	87.72—86.58		16 1/2—17 1/2	85.84—84.93	
16	14 1/2—14 1/2	87.43—87.15		12 1/2—13 1/2	88.69—88.40		16 1/2—16 1/2	86.11—85.65		16 1/2—17 1/2	85.65—85.29	
17	14 1/2—15	87.15—86.96		12 1/2—13	88.69—88.40		Sunday	Sunday		17 1/2—17 1/2	85.29—84.93	
18	14 1/2—15	87.15—86.96		12 1/2—13 1/2	88.69—88.40		17 1/2—22 1/2	84.93—81.47		16 1/2—17 1/2	85.65—85.38	
19	14 1/2—14 1/2	87.34—87.05		12 1/2—13 1/2	88.69—88.40		20 1/2—22 1/2	82.90—81.63		16—16 1/2	86.21—86.02	
20	14 1/2—14 1/2	87.34—87.15		12 1/2—12 1/2	88.79—88.59		21 1/2—22 1/2	82.22—81.55		14 1/2—15 1/2	87.15—86.39	
21	14 1/2—14 1/2	87.24—87.05		12 1/2—12 1/2	88.69—88.59		20 1/2—21 1/2	82.99—82.05		Sunday	Sunday	
22	Sunday	Sunday		12 1/2—12 1/2	88.79—88.59		18 1/2—20 1/2	84.48—83.25		15 1/2—15 1/2	86.86—86.39	
23	13 1/2—14 1/2	87.82—87.43		11 1/2—11 1/2	89.79—89.39		19 1/2—20 1/2	83.77—82.99		15 1/2—16 1/2	86.39—85.84	
24	13 1/2—14 1/2	87.91—87.53		11—11 1/4	89.89—89.49		Sunday	Sunday		16 1/2—17 1/2	85.93—84.93	
25	14 1/2—14 1/2	87.53—87.24		Sunday	Sunday		20 1/2—21 1/2	82.99—82.47		16 1/2—18	85.74—84.75	
26	14 1/2—14 1/2	87.62—87.15		10 1/2—11 1/2	90.19—89.69		20 1/2—21 1/2	82.73—82.22		16 1/2—16 1/2	85.84—85.56	
27	14 1/2—15 1/2	87.24—86.86		10 1/2—11 1/2	90.19—89.69		21—22	82.64—81.97		16 1/2—16 1/2	85.93—85.56	
28	14 1/2—14 1/2	87.34—87.05		11 1/2—11 1/2	89.89—89.59		21 1/2—22	82.22—81.97		Sunday	Sunday	
29	Sunday	Sunday		11 1/2—11 1/2	89.89—89.59		20 1/2—21 1/2	82.90—82.14		16 1/2—16 1/2	86.11—85.74	
30	14 1/2—14 1/2	87.43—87.34		11 1/2—11 1/2	89.89—89.59		20 1/2—21	83.25—82.64		16—16 1/2	86.21—85.84	
31	14 1/2—14 1/2	87.53—87.24		.....	.....		Sunday	Sunday		16 1/2—17 1/2	86.11—85.38	

TABLE 1—(CONTINUED).  
*Daily highest and lowest premium on gold and price of greenbacks in gold.*  
 1870.

	SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold	
1	16%—16%	85.93—85.65		13%—14	87.91—87.72		11%—11%	89.99—89.69		10%—10%	90.50—90.29	
2	16%—16%	85.93—85.74		Sunday	Sunday		10%—11%	90.19—89.89		10%—11%	90.44—89.99	
3	14—15%	87.72—86.49		13%—13%	88.01—87.82		10%—10%	90.50—90.19		11—11%	90.09—89.79	
4	Sunday	Sunday		13—13%	88.50—88.20		10—10%	90.91—90.50		Sunday	Sunday	
5	13%—14%	88.30—87.24		13—13%	88.50—88.30		10%—10%	90.70—90.50		10%—11%	90.19—89.89	
6	14%—15	87.34—86.96		12%—13	88.59—88.50		Sunday	Sunday		10%—10%	90.40—90.19	
7	14%—14%	87.62—87.24		13—13%	88.50—88.30		10%—10%	90.50—90.19		10%—10%	90.40—90.19	
8	13%—14%	88.01—87.62		13%—13%	88.40—88.11		10%—10%	90.50—90.29		10%—10%	90.40—90.29	
9	13%—14%	88.01—87.53		Sunday	Sunday		10%—10%	90.60—90.40		10%—10%	90.29—90.19	
10	13%—14%	87.91—87.62		13%—13%	88.11—87.91		10%—10%	90.29—89.99		10%—11	90.29—90.09	
11	Sunday	Sunday		13%—13%	88.40—88.11		11—11%	90.09—89.59		Sunday	Sunday	
12	13%—13%	88.01—87.82		13%—13%	88.30—87.91		Sunday	Sunday		10%—10%	90.50—90.29	
13	13%—14	88.01—87.72		13%—14%	88.01—87.53		11%—12%	89.49—88.69		10%—10%	90.50—90.40	
14	14—14%	87.72—87.43		13%—13%	88.30—87.91		10%—11%	90.19—89.69		10%—11%	90.40—89.99	
15	13%—14%	87.82—87.43		13—13%	88.50—88.20		11%—12%	89.49—88.89		10%—10%	90.09—89.89	
16	14—14%	87.72—87.62		Sunday	Sunday		12%—13%	89.09—88.11		10%—10%	90.40—90.19	
17	13%—14%	87.82—87.62		13—13%	88.50—88.30		12%—13%	89.09—88.11		10%—10%	90.50—90.19	
18	Sunday	Sunday		12%—13%	88.89—88.40		12%—13%	88.89—88.30		Sunday	Sunday	
19	13%—14	88.01—87.72		12%—12%	88.79—88.59		12%—12%	89.19—88.69		10%—10%	90.40—90.29	
20	13%—13%	87.91—87.82		12%—13%	88.59—88.30		Sunday	Sunday		10%—10%	90.40—90.29	
21	13%—13%	88.01—87.82		12%—12%	88.89—88.59		11%—11%	89.69—89.49		10%—10%	90.40—90.29	
22	13%—13%	87.91—87.82		12%—13	88.79—88.50		11%—12	89.59—89.29		10%—10%	90.50—90.29	
23	13—13%	88.50—87.91		Sunday	Sunday		11%—12%	89.59—89.19		10%—10%	90.50—90.40	
24	12%—13%	88.69—88.40		11%—12%	89.39—88.69		Thanksgiving	Thanksgiving		10%—10%	90.50—90.40	
25	Sunday	Sunday		11%—11%	89.69—89.39		11%—12%	89.49—89.19		Sunday	Sunday	
26	13%—13%	88.40—88.11		11%—12%	89.49—89.19		11%—12	89.49—89.29		Holiday	Holiday	
27	13%—13%	88.30—87.91		11%—12%	89.39—89.19		Sunday	Sunday		10%—10%	90.40—90.19	
28	13%—14	88.20—87.72		11%—11%	89.89—89.59		11%—11%	89.89—89.69		10%—11	90.29—90.09	
29	13%—14	88.01—87.72		11%—11%	89.79—89.59		11—11%	90.09—89.49		10%—10%	90.40—90.29	
30	Holiday	Holiday		Sunday	Sunday		10%—11%	90.29—89.99		10%—10%	90.40—90.19	
31				11%—11%	89.99—89.09					10%—10%	90.29—90.19	

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	JANUARY			FEBRUARY			MARCH			APRIL		
	Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold	
1	Sunday			11 1/4—11 1/4	89.99—89.79		10%—11 1/4	90.29—89.99		10%—10 1/4	90.60—90.50	
2	Holiday			11 1/4—11 1/4	89.69—89.39		10%—11	90.29—90.09		Sunday		
3	10%—10%	90.40—90.19		11 1/4—11 1/4	89.79—89.49		10%—11 1/4	90.19—89.89		10%—10%	90.50—90.29	
4	10 1/4—10%	90.50—90.29		11 1/4—11 1/4	89.79—89.39		10%—11 1/4	90.19—89.99		10%—10%	90.50—90.29	
5	10 1/4—10%	90.50—90.40		Sunday			Sunday			10 1/4—10%	90.50—90.40	
6	10 1/4—10%	90.50—90.29		11 1/4—12 1/4	89.39—89.09		10%—11	90.19—90.09		10 1/4—10 1/4	90.70—90.50	
7	10%—10%	90.40—90.19		11%—12	89.59—89.29		11—11 1/4	90.09—89.89		Holiday		
8	Sunday			11%—11 1/4	89.59—89.49		11 1/4—11 1/4	89.99—89.69		10%—10%	90.81—90.60	
9	10%—10%	90.40—90.19		11%—11 1/4	89.59—89.49		11 1/4—11 1/4	89.89—89.59		Sunday		
10	10%—11 1/4	90.19—89.99		11%—11 1/4	89.59—89.49		11 1/4—11 1/4	89.89—89.59		10%—10%	90.81—90.60	
11	10%—11 1/4	90.19—89.99		11 1/4—11 1/4	89.49—89.39		11 1/4—11 1/4	89.99—89.79		10%—10%	90.70—90.40	
12	10%—11	90.29—90.09		11 1/4—11 1/4	89.69—89.39		11 1/4—11 1/4	89.99—89.89		10%—10%	90.70—90.40	
13	10%—11	90.19—90.09		Sunday			Sunday			10%—10%	90.81—90.60	
14	10%—10%	90.40—90.29		11 1/4—11 1/4	89.89—89.60		11 1/4—11 1/4	89.89—89.79		10%—10%	90.81—90.60	
15	Sunday			11—11 1/4	90.09—89.69		11 1/4—11 1/4	89.99—89.79		10%—10%	90.81—90.29	
16	10 1/4—10%	90.50—90.29		10%—11 1/4	90.29—89.89		11%—11 1/4	89.79—89.69		10%—10%	90.40—90.19	
17	10 1/4—10%	90.50—90.29		11 1/4—11 1/4	89.99—89.79		11 1/4—11 1/4	89.79—89.69		Sunday		
18	10 1/4—10%	90.50—90.29		11—11 1/4	90.09—89.79		11 1/4—11 1/4	89.99—89.69		10%—10%	90.40—90.19	
19	10 1/4—10%	90.50—90.29		11 1/4—11 1/4	89.89—89.69		11—11 1/4	90.09—89.99		10%—11 1/4	89.99—89.69	
20	10%—10%	90.40—90.29		Sunday			Sunday			11—11 1/4	90.09—89.49	
21	10%—10%	90.40—90.29		11 1/4—11 1/4	89.89—89.69		10%—11 1/4	90.09—89.89		10%—11 1/4	90.19—89.79	
22	Sunday			Holiday			10%—11 1/4	90.19—89.99		10%—11	90.19—90.09	
23	10 1/4—10%	90.50—90.40		11 1/4—11 1/4	89.89—89.79		10%—11 1/4	90.19—89.99		Sunday		
24	10%—10%	90.40—90.29		11 1/4—11 1/4	89.89—89.79		10%—11	90.29—90.09		10%—10%	90.50—90.29	
25	10%—10%	90.40—90.40		11 1/4—11 1/4	89.69—89.59		10%—10%	90.29—90.19		10%—11	90.29—90.09	
26	10 1/4—10%	90.50—90.29		Sunday			Sunday			10%—10%	90.40—90.19	
27	10%—10%	90.40—90.29		11—11 1/4	90.09—89.69		10%—10%	90.50—90.29		10%—11 1/4	90.40—89.99	
28	10 1/4—10%	90.50—90.40		10%—11 1/4	90.29—89.99		10%—10%	90.81—90.50		10%—11 1/4	90.19—89.89	
29	Sunday			.....	.....		10%—10%	90.81—90.60		11 1/4—11 1/4	89.99—89.89	
30	10%—11 1/4	90.40—89.99		.....	.....		10%—10%	90.81—90.60		Sunday		
31	11—11 1/4	90.09—89.89		.....	.....		10%—10%	90.81—90.50		.....	.....	



TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.  
1871.

	MAY			JUNE			JULY			AUGUST		
	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold
1	11 1/2—11 1/2	89.99—89.69	11 1/2—12 1/2	11 1/2—12 1/2	89.49—89.19	13 1/2—13 1/2	13 1/2—13 1/2	88.40—88.30	12 1/2—12 1/2	12 1/2—12 1/2	89.19—89.09	12 1/2—12 1/2
2	11 1/2—11 1/2	89.99—89.79	12 1/2—12 1/2	12 1/2—12 1/2	89.19—88.99	Sunday	Sunday	Sunday	12 1/2—12 1/2	12 1/2—12 1/2	89.19—89.09	12 1/2—12 1/2
3	11—11 1/2	90.09—89.89	11 1/2—12 1/2	11 1/2—12 1/2	89.39—89.09	Holiday	Holiday	Holiday	12—12 1/2	12—12 1/2	89.29—89.09	12—12 1/2
4	11—11 1/2	90.09—89.99	Sunday	Sunday	Sunday	Holiday	Holiday	Holiday	12 1/2—12 1/2	12 1/2—12 1/2	89.19—89.09	12 1/2—12 1/2
5	11 1/2—11 1/2	89.99—89.89	11 1/2—12 1/2	11 1/2—12 1/2	89.39—89.19	13 1/2—13 1/2	13 1/2—13 1/2	88.20—87.91	12 1/2—12 1/2	12 1/2—12 1/2	89.19—89.09	12 1/2—12 1/2
6	11—11 1/2	90.09—89.89	12 1/2—12 1/2	12 1/2—12 1/2	89.19—88.99	13 1/2—13 1/2	13 1/2—13 1/2	88.40—88.11	Sunday	Sunday	89.19—89.09	12 1/2—12 1/2
7	Sunday	Sunday	12—12 1/2	12—12 1/2	89.29—88.99	13 1/2—13 1/2	13 1/2—13 1/2	88.40—88.20	12 1/2—12 1/2	12 1/2—12 1/2	89.09—88.99	12 1/2—12 1/2
8	11—11 1/2	90.09—89.89	12 1/2—12 1/2	12 1/2—12 1/2	89.19—88.99	13 1/2—13 1/2	13 1/2—13 1/2	88.40—88.30	12 1/2—12 1/2	12 1/2—12 1/2	89.09—88.99	12 1/2—12 1/2
9	11 1/2—11 1/2	89.99—89.89	12 1/2—12 1/2	12 1/2—12 1/2	89.19—88.99	Sunday	Sunday	Sunday	11 1/2—11 1/2	11 1/2—11 1/2	89.49—89.29	11 1/2—11 1/2
10	11 1/2—11 1/2	89.99—89.89	12 1/2—12 1/2	12 1/2—12 1/2	89.19—88.99	12 1/2—12 1/2	12 1/2—12 1/2	88.79—88.59	12 1/2—12 1/2	12 1/2—12 1/2	89.29—88.99	12 1/2—12 1/2
11	11 1/2—11 1/2	89.99—89.79	Sunday	Sunday	Sunday	12 1/2—12 1/2	12 1/2—12 1/2	89.09—88.79	12 1/2—12 1/2	12 1/2—12 1/2	89.29—88.99	12 1/2—12 1/2
12	11 1/2—11 1/2	89.99—89.79	12 1/2—12 1/2	12 1/2—12 1/2	88.99—88.69	12 1/2—12 1/2	12 1/2—12 1/2	88.79—88.59	12 1/2—12 1/2	12 1/2—12 1/2	89.09—88.99	12 1/2—12 1/2
13	11 1/2—11 1/2	89.79—89.69	12 1/2—12 1/2	12 1/2—12 1/2	89.19—88.99	12 1/2—12 1/2	12 1/2—12 1/2	89.19—88.99	12 1/2—12 1/2	12 1/2—12 1/2	89.09—88.99	12 1/2—12 1/2
14	Sunday	Sunday	12—12 1/2	12—12 1/2	89.29—88.99	12—12 1/2	12—12 1/2	89.29—89.09	Sunday	Sunday	89.09—88.99	12 1/2—12 1/2
15	11 1/2—11 1/2	89.79—89.59	12 1/2—12 1/2	12 1/2—12 1/2	88.99—88.69	12 1/2—12 1/2	12 1/2—12 1/2	89.19—88.99	12 1/2—12 1/2	12 1/2—12 1/2	88.99—88.89	12 1/2—12 1/2
16	11 1/2—11 1/2	89.59—89.49	12 1/2—12 1/2	12 1/2—12 1/2	89.09—88.79	Sunday	Sunday	Sunday	12 1/2—12 1/2	12 1/2—12 1/2	88.99—88.79	12 1/2—12 1/2
17	11 1/2—11 1/2	89.49—89.39	12 1/2—12 1/2	12 1/2—12 1/2	89.09—88.89	12 1/2—12 1/2	12 1/2—12 1/2	89.09—88.79	12 1/2—12 1/2	12 1/2—12 1/2	88.99—88.79	12 1/2—12 1/2
18	11 1/2—11 1/2	89.49—89.19	12 1/2—12 1/2	12 1/2—12 1/2	88.99—88.69	12 1/2—12 1/2	12 1/2—12 1/2	88.99—88.89	12 1/2—12 1/2	12 1/2—12 1/2	88.69—88.40	12 1/2—12 1/2
19	11 1/2—11 1/2	89.40—89.09	12 1/2—12 1/2	12 1/2—12 1/2	Sunday	12 1/2—12 1/2	12 1/2—12 1/2	89.09—88.89	12 1/2—12 1/2	12 1/2—12 1/2	88.79—88.59	12 1/2—12 1/2
20	11 1/2—11 1/2	89.49—89.29	12 1/2—12 1/2	12 1/2—12 1/2	88.99—88.79	12 1/2—12 1/2	12 1/2—12 1/2	88.99—88.79	12 1/2—12 1/2	12 1/2—12 1/2	88.99—88.59	12 1/2—12 1/2
21	Sunday	Sunday	12 1/2—12 1/2	12 1/2—12 1/2	89.09—88.89	12 1/2—12 1/2	12 1/2—12 1/2	89.29—89.09	Sunday	Sunday	88.99—88.59	12 1/2—12 1/2
22	11 1/2—11 1/2	89.59—89.29	12 1/2—12 1/2	12 1/2—12 1/2	88.99—88.69	11 1/2—11 1/2	11 1/2—11 1/2	89.49—89.29	12 1/2—12 1/2	12 1/2—12 1/2	88.99—88.69	12 1/2—12 1/2
23	11 1/2—11 1/2	89.69—89.49	12 1/2—12 1/2	12 1/2—12 1/2	88.99—88.89	Sunday	Sunday	Sunday	12 1/2—12 1/2	12 1/2—12 1/2	89.09—88.79	12 1/2—12 1/2
24	11 1/2—11 1/2	89.79—89.59	12 1/2—12 1/2	12 1/2—12 1/2	88.89—88.79	11 1/2—11 1/2	11 1/2—11 1/2	89.49—89.29	12 1/2—12 1/2	12 1/2—12 1/2	88.89—88.59	12 1/2—12 1/2
25	11 1/2—11 1/2	89.69—89.49	12 1/2—12 1/2	12 1/2—12 1/2	88.99—88.89	12 1/2—12 1/2	12 1/2—12 1/2	89.09—88.89	12 1/2—12 1/2	12 1/2—12 1/2	88.99—88.79	12 1/2—12 1/2
26	11 1/2—11 1/2	89.59—89.49	12 1/2—12 1/2	12 1/2—12 1/2	88.79—88.69	12 1/2—12 1/2	12 1/2—12 1/2	89.29—88.99	12 1/2—12 1/2	12 1/2—12 1/2	88.99—88.79	12 1/2—12 1/2
27	11 1/2—11 1/2	89.69—89.59	12 1/2—12 1/2	12 1/2—12 1/2	88.79—88.69	12 1/2—12 1/2	12 1/2—12 1/2	89.29—88.99	Sunday	Sunday	88.99—88.79	12 1/2—12 1/2
28	Sunday	Sunday	12 1/2—12 1/2	12 1/2—12 1/2	88.99—88.79	12 1/2—12 1/2	12 1/2—12 1/2	89.29—89.19	12 1/2—12 1/2	12 1/2—12 1/2	88.89—88.69	12 1/2—12 1/2
29	11 1/2—11 1/2	89.59—89.39	12 1/2—12 1/2	12 1/2—12 1/2	88.69—88.40	12—12 1/2	12—12 1/2	89.29—89.09	12 1/2—12 1/2	12 1/2—12 1/2	88.79—88.69	12 1/2—12 1/2
30	11 1/2—11 1/2	89.49—89.39	12 1/2—12 1/2	12 1/2—12 1/2	88.59—88.40	Sunday	Sunday	Sunday	12 1/2—12 1/2	12 1/2—12 1/2	88.79—88.69	12 1/2—12 1/2
31	11 1/2—11 1/2	89.59—89.39	12 1/2—12 1/2	12 1/2—12 1/2	.....	12—12 1/2	12—12 1/2	89.29—89.19	12 1/2—12 1/2	12 1/2—12 1/2	88.79—88.50	12 1/2—12 1/2

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.  
1871.

	SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold
1	12%—12%	88.69—88.59	Sunday	14%—14%	87.24—87.05	12%—12%	89.29—88.99	10%—10%	90.81—90.60	10%—10%	90.70—90.60	10%—10%
2	12%—13%	88.59—88.50	Sunday	14%—14%	87.72—87.15	12%—12%	89.29—89.09	10%—10%	90.70—90.60	10%—10%	90.70—90.60	10%—10%
3	Sunday			14%—14%	87.72—87.15	11%—12%	89.59—89.29	Sunday	90.81—90.60	Sunday		Sunday
4	13%—13%	88.50—88.20		13%—14%	87.91—87.15	11%—12%	89.49—89.29	10%—10%	90.81—90.60	10%—10%	90.81—90.60	10%—10%
5	13%—13%	88.50—88.30		13%—14%	87.91—87.15	Sunday	89.39—89.19	10%—10%	90.91—90.70	10%—10%	90.91—90.70	10%—10%
6	13%—13%	88.40—88.20		14%—14%	87.53—87.05	11%—12%	89.39—89.19	9%—9%	91.12—90.91	9%—9%	91.12—90.91	9%—9%
7	13%—13%	88.30—87.91		14%—15%	87.15—86.96	Holiday	Holiday	9%—9%	91.22—90.70	9%—9%	91.22—90.70	9%—9%
8	13%—13%	88.20—88.01		Sunday	Sunday	11%—11%	89.49—89.39	9%—10%	91.01—90.50	9%—10%	91.01—90.50	9%—10%
9	13%—13%	88.11—87.82		14%—14%	87.62—87.15	11%—11%	89.79—89.69	Sunday	91.32—90.91	Sunday		Sunday
10	Sunday			13%—14%	87.91—87.34	Sunday	Sunday	9%—9%	91.53—91.32	9%—9%	91.53—91.32	9%—9%
11	13%—14%	87.82—87.53		14%—14%	87.72—87.34	11%—11%	89.59—89.39	9%—9%	91.53—91.43	9%—9%	91.53—91.43	9%—9%
12	13%—14%	87.82—87.62		14%—14%	87.72—87.15	11%—11%	89.59—89.39	9%—9%	91.53—91.32	9%—9%	91.53—91.32	9%—9%
13	13%—14%	87.82—87.62		14%—14%	87.53—87.24	11%—11%	89.99—89.79	9%—9%	91.53—91.43	9%—9%	91.53—91.43	9%—9%
14	13%—14%	88.01—87.62		14%—14%	87.62—87.34	11%—11%	89.99—89.79	9%—9%	91.53—91.43	9%—9%	91.53—91.43	9%—9%
15	14%—14%	87.72—87.53	Sunday	Sunday	Sunday	11%—11%	89.99—89.89	9%—9%	91.74—91.53	9%—9%	91.74—91.53	9%—9%
16	13%—14%	87.82—87.53		13%—14%	88.30—87.72	11%—11%	89.99—89.89	Sunday	91.74—91.53	Sunday		Sunday
17	Sunday			13%—13%	88.40—88.11	11%—11%	89.99—89.89	9%—9%	91.74—91.53	9%—9%	91.74—91.53	9%—9%
18	14%—14%	87.62—87.34		13%—13%	88.40—88.20	Sunday	Sunday	9%—9%	91.74—91.53	9%—9%	91.74—91.53	9%—9%
19	14%—15%	87.43—86.96		12%—13%	88.89—88.50	10%—11%	90.29—90.09	8%—8%	91.95—91.74	8%—8%	91.95—91.74	8%—8%
20	14%—14%	87.53—87.24		12%—12%	89.29—88.79	10%—10%	90.40—90.29	8%—8%	92.17—91.95	8%—8%	92.17—91.95	8%—8%
21	13%—14%	87.82—87.15		12%—12%	89.29—88.99	10%—10%	90.40—90.19	8%—8%	92.06—91.85	8%—8%	92.06—91.85	8%—8%
22	13%—14%	87.82—87.34		Sunday	Sunday	10%—10%	90.40—90.19	8%—8%	92.27—92.06	8%—8%	92.27—92.06	8%—8%
23	14%—15%	87.15—86.67		12%—12%	89.09—88.69	10%—11%	90.29—89.99	Sunday	Sunday	Sunday		Sunday
24	Sunday			11%—12%	89.49—88.89	10%—10%	90.29—90.19	Christmas	Christmas	Christmas		Christmas
25	14%—15%	87.15—86.96		11%—11%	89.69—89.39	Sunday	Sunday	8%—8%	92.27—91.95	8%—8%	92.27—91.95	8%—8%
26	14%—14%	87.72—87.34		11%—12%	89.59—89.19	10%—11%	90.29—90.09	8%—8%	92.27—91.95	8%—8%	92.27—91.95	8%—8%
27	14%—14%	87.43—87.15		11%—12%	89.49—89.29	10%—11%	90.40—90.09	8%—8%	92.17—91.95	8%—8%	92.17—91.95	8%—8%
28	14%—15%	87.34—86.96		11%—12%	89.49—89.19	10%—11%	90.40—90.09	8%—8%	91.95—91.53	8%—8%	91.95—91.53	8%—8%
29	14%—14%	87.24—87.05		Sunday	Sunday	Thanksgiving	Thanksgiving	9%—9%	91.74—91.64	9%—9%	91.74—91.64	9%—9%
30	14%—14%	87.24—87.05		11%—11%	89.49—89.39	.....	.....	Sunday	Sunday	Sunday		Sunday
31	.....	.....		11%—12%	89.59—89.09	.....	.....	.....	.....	.....		.....

TABLE 1—(CONTINUED).  
*Daily highest and lowest premium on gold and price of greenbacks in gold.*

	JANUARY			FEBRUARY			MARCH			APRIL		
	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold
1	Holiday	Holiday	9½—10	91.32—90.91	10—10½	90.91—90.70	10—10½	90.91—90.70	10—10½	90.91—90.81	10—10½	90.91—90.81
2	9¼—9½	91.53—91.12	9½—9¾	91.32—91.12	9½—9¾	91.32—91.12	10½—10¾	90.70—90.60	9¾—10	91.01—90.91	9¾—10	91.01—90.91
3	9—9½	91.74—91.32	9¾—9¾	91.22—91.01	Sunday	Sunday	Sunday	Sunday	9¾—10½	91.01—90.81	9¾—10½	91.01—90.81
4	9—9¾	91.74—91.43	Sunday	Sunday	10—10½	90.91—90.70	10—10½	90.91—90.70	10—10½	90.91—90.60	10—10½	90.91—90.60
5	9¼—9½	91.64—91.53	9¾—10	90.91—90.70	10—10½	90.91—90.70	10—10½	90.91—90.70	10½—10¾	90.81—90.70	10½—10¾	90.81—90.70
6	8¾—9¾	91.85—91.43	9¾—10½	91.01—90.81	10—10½	90.91—90.70	10—10½	90.91—90.70	10½—10¾	90.70—90.60	10½—10¾	90.70—90.60
7	Sunday	Sunday	9¾—10½	91.01—90.70	10—10½	90.91—90.70	10—10½	90.91—90.70	Sunday	Sunday	Sunday	Sunday
8	9¾—9¾	91.43—91.22	10½—10¾	90.50—90.29	10½—10¾	90.81—90.40	10½—10¾	90.81—90.40	10½—10¾	90.70—90.50	10½—10¾	90.70—90.50
9	8¾—9¼	91.85—91.53	10½—10¾	90.70—90.40	10—10½	90.91—90.70	10—10½	90.91—90.70	10½—10¾	90.70—90.50	10½—10¾	90.70—90.50
10	8¾—9	92.06—91.74	10¾—10¾	90.60—90.29	Sunday	Sunday	Sunday	Sunday	10½—10¾	90.60—90.40	10½—10¾	90.60—90.40
11	8½—8¾	92.17—91.95	Sunday	Sunday	10½—10¾	90.81—90.70	10½—10¾	90.81—90.70	10½—10¾	90.50—90.40	10½—10¾	90.50—90.40
12	8¾—9¾	92.06—91.85	10¾—10¾	90.60—90.40	10¾—10¾	90.81—90.60	10—10½	90.91—90.81	Sunday	Sunday	Sunday	Sunday
13	8¾—9¼	91.85—91.64	10¾—10¾	90.81—90.60	10—10½	90.91—90.70	10—10½	90.91—90.70	10¾—10¾	90.40—90.19	10¾—10¾	90.40—90.19
14	Sunday	Sunday	10¾—10¾	90.81—90.60	10—10½	90.91—90.70	10—10½	90.91—90.70	10¾—10¾	90.19—90.99	10¾—10¾	90.19—90.99
15	8¾—9¾	91.95—91.64	10¾—10¾	90.81—90.60	10—10½	90.91—90.70	10—10½	90.91—90.70	10¾—10¾	90.29—90.99	10¾—10¾	90.29—90.99
16	8¾—9	91.95—91.74	10¾—10¾	90.70—90.60	10¾—10¾	90.81—90.60	10¾—10¾	90.81—90.60	10¾—10¾	90.19—90.99	10¾—10¾	90.19—90.99
17	8¾—9¾	91.95—91.64	10¾—10¾	90.70—90.60	Sunday	Sunday	Sunday	Sunday	10¾—10¾	90.19—90.99	10¾—10¾	90.19—90.99
18	8¾—9	91.85—91.74	Sunday	Sunday	10—10½	90.91—90.70	10—10½	90.91—90.70	10¾—10¾	90.19—90.99	10¾—10¾	90.19—90.99
19	8¾—9¾	91.85—91.64	10¾—10½	90.81—90.50	9¾—10	91.12—90.81	9¾—10	91.12—90.81	10¾—10¾	90.19—90.99	10¾—10¾	90.19—90.99
20	9—9¼	91.74—91.53	10¾—10½	90.60—90.50	9¾—10	91.12—90.91	9¾—10	91.12—90.91	10¾—10¾	90.19—90.99	10¾—10¾	90.19—90.99
21	Sunday	Sunday	10¾—10¾	90.60—90.29	9¾—9¾	91.12—91.01	9¾—9¾	91.12—91.01	10¾—10¾	90.19—90.99	10¾—10¾	90.19—90.99
22	9—9¾	91.74—91.64	Holiday	Holiday	9¾—9¾	91.12—91.01	9¾—9¾	91.12—91.01	Sunday	Sunday	Sunday	Sunday
23	8¾—9	91.85—91.74	10¾—11	90.29—90.09	9¾—10	91.12—90.91	9¾—10	91.12—90.91	10¾—10¾	90.19—90.99	10¾—10¾	90.19—90.99
24	8¾—9	91.85—91.74	10¾—11	90.29—90.09	Sunday	Sunday	Sunday	Sunday	10¾—10¾	90.19—90.99	10¾—10¾	90.19—90.99
25	9—9¼	91.74—91.53	Sunday	Sunday	9¾—9¾	91.12—90.91	9¾—9¾	91.12—90.91	10¾—10¾	90.19—90.99	10¾—10¾	90.19—90.99
26	9—9¼	91.74—91.53	10¾—10¾	90.50—90.29	9¾—10	91.12—90.91	9¾—10	91.12—90.91	10¾—10¾	90.19—90.99	10¾—10¾	90.19—90.99
27	9¾—9¾	91.43—91.12	10¾—10¾	90.60—90.40	10—10½	90.91—90.70	10—10½	90.91—90.70	10¾—10¾	90.19—90.99	10¾—10¾	90.19—90.99
28	Sunday	Sunday	10¾—10¾	90.60—90.40	10¾—10¾	90.81—90.50	10¾—10¾	90.81—90.50	10¾—10¾	90.19—90.99	10¾—10¾	90.19—90.99
29	9¾—10	91.22—90.91	9¾—10½	91.01—90.70	Holiday	Holiday	Holiday	Holiday	10¾—10¾	90.19—90.99	10¾—10¾	90.19—90.99
30	9¾—9¾	91.32—91.12	9¾—10½	91.01—90.70	10—10½	90.91—90.81	10—10½	90.91—90.81	10¾—10¾	90.19—90.99	10¾—10¾	90.19—90.99
31	9¾—10½	91.12—90.81	9¾—10½	91.01—90.70	Sunday	Sunday	Sunday	Sunday	10¾—10¾	90.19—90.99	10¾—10¾	90.19—90.99

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.  
1872.

	MAY			JUNE			JULY			AUGUST		
	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold
1	12½—12%	89.19—88.79	14—14½	14—14½	87.72—87.53	13%—14	13%—14	87.91—87.72	15%—15½	15%—15½	86.86—86.58	15%—15½
2	12%—12½	88.99—88.79	Sunday	Sunday	Sunday	13%—13½	13%—13½	88.01—87.82	15½—15½	15½—15½	86.77—86.58	15½—15½
3	12½—13%	88.89—88.40	14½—14%	14½—14%	87.53—87.24	13%—13½	13%—13½	88.20—87.91	15%—15½	15%—15½	86.67—86.58	15%—15½
4	13—13½	88.50—88.30	14½—14%	14½—14%	87.53—87.24	Holiday	Holiday	Holiday	Sunday	Sunday	Sunday	Sunday
5	Sunday	Sunday	14%—14½	14%—14½	87.43—87.15	13%—13½	13%—13½	88.01—87.91	15½—15½	15½—15½	86.77—86.49	15½—15½
6	13%—13½	88.01—87.82	14½—14%	14½—14%	87.34—87.15	13%—13½	13%—13½	88.11—87.91	15%—15½	15%—15½	86.77—86.58	15%—15½
7	13½—14%	88.11—87.62	13%—14½	13%—14½	87.82—87.34	Sunday	Sunday	Sunday	15%—15½	15%—15½	86.86—86.49	15%—15½
8	13½—14	88.11—87.72	13%—14½	13%—14½	87.82—87.53	13%—13½	13%—13½	88.01—87.91	15%—15½	15%—15½	86.86—86.49	15%—15½
9	13%—14½	87.82—87.53	Sunday	Sunday	Sunday	13%—13½	13%—13½	88.01—87.82	15%—15½	15%—15½	86.67—86.49	15%—15½
10	13%—14%	87.82—87.43	14%—14½	14%—14½	87.62—87.43	13%—14	13%—14	87.91—87.72	15%—15½	15%—15½	86.67—86.58	15%—15½
11	14½—14%	87.62—87.43	13%—14½	13%—14½	87.82—87.43	13%—14	13%—14	87.82—87.72	Sunday	Sunday	Sunday	Sunday
12	Sunday	Sunday	13%—14½	13%—14½	87.82—87.62	13%—14½	13%—14½	87.82—87.62	15%—15½	15%—15½	86.67—86.49	15%—15½
13	13½—13%	88.30—87.91	13%—14½	13%—14½	87.82—87.62	14—14½	14—14½	87.72—87.62	14%—15½	14%—15½	87.15—86.58	14%—15½
14	13½—14	88.11—87.72	13%—14	13%—14	87.82—87.62	Sunday	Sunday	Sunday	14%—14½	14%—14½	87.24—87.05	14%—14½
15	13%—14½	88.01—87.62	13%—14	13%—14	87.91—87.72	14%—14½	14%—14½	87.62—87.43	14%—15½	14%—15½	87.24—86.86	14%—15½
16	13%—14½	87.82—87.53	Sunday	Sunday	Sunday	14%—14½	14%—14½	87.43—87.24	15—15½	15—15½	86.96—86.67	15—15½
17	13%—14½	87.91—87.62	13%—14	13%—14	87.82—87.72	14%—14½	14%—14½	87.34—87.15	15—15½	15—15½	86.96—86.67	15—15½
18	13%—13%	88.01—87.91	13%—14	13%—14	87.82—87.72	14%—14½	14%—14½	87.43—87.15	Sunday	Sunday	Sunday	Sunday
19	Sunday	Sunday	13%—14½	13%—14½	88.01—87.82	14%—14½	14%—14½	87.62—87.34	14%—15	14%—15	87.62—86.96	14%—15
20	13½—13%	88.11—87.82	13%—13½	13%—13½	88.30—88.01	14%—14½	14%—14½	87.53—87.34	13%—14½	13%—14½	87.91—87.53	13%—14½
21	13½—13%	88.11—87.91	13%—13½	13%—13½	88.20—88.01	Sunday	Sunday	Sunday	13%—14½	13%—14½	87.91—87.34	13%—14½
22	13%—14	88.01—87.72	13%—13½	13%—13½	88.40—88.11	14%—14½	14%—14½	87.53—87.34	13%—14½	13%—14½	87.91—87.53	13%—14½
23	13%—14½	87.82—87.62	13%—13½	13%—13½	Sunday	14%—14½	14%—14½	87.43—87.24	13%—13½	13%—13½	88.30—87.82	13%—13½
24	13%—13%	88.01—87.82	13—13½	13—13½	88.50—88.11	14%—14½	14%—14½	87.24—87.15	12%—13½	12%—13½	88.79—88.11	12%—13½
25	13½—13%	88.11—87.91	13%—13½	13%—13½	88.30—88.20	14%—14½	14%—14½	87.34—87.24	Sunday	Sunday	Sunday	Sunday
26	Sunday	Sunday	13%—13½	13%—13½	88.30—88.20	14%—14½	14%—14½	87.24—87.15	12½—12%	12½—12%	89.19—88.59	12½—12%
27	13½—13%	88.11—87.91	13%—13½	13%—13½	88.30—88.20	14%—14½	14%—14½	87.34—87.15	12%—13	12%—13	88.89—88.50	12%—13
28	13%—14	87.91—87.72	13%—13½	13%—13½	88.20—88.01	Sunday	Sunday	Sunday	12%—13½	12%—13½	88.69—88.30	12%—13½
29	13%—14½	87.91—87.15	13½—13%	13½—13%	88.11—87.82	14%—14½	14%—14½	87.24—87.05	12%—13½	12%—13½	88.59—88.40	12%—13½
30	14—14½	87.72—87.62	Sunday	Sunday	Sunday	14%—15	14%—15	87.15—86.96	12%—12%	12%—12%	88.79—88.59	12%—12%
31	14—14½	87.72—87.62	.....	.....	.....	15—15½	15—15½	86.96—86.77	12%—12%	12%—12%	88.69—88.59	12%—12%

TABLE I—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	Premium on Gold	Price of Greenbacks in Gold	Premium on G. M.	Premium on G. M.	Price of Greenbacks in Gold	Premium on Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold
1	Sunday	88.50—88.20	14	14	87.72—87.24	11½—12½	11½—12½	88.30—87.79	Sunday	12½—13	88.60—88.30	12½—13
2	13—13½	88.50—88.20	13½	14	87.82—87.43	11½—12	11½—12	88.70—88.39	Sunday	12½—13	88.70—88.39	12½—13
3	13—13½	88.50—88.20	14½	15	87.5—87.11	Sunday	Sunday	88.80—88.49	Sunday	12½—13	88.80—88.49	12½—13
4	13—13½	88.50—88.20	14½	15	87.5—87.11	11½—12½	11½—12½	88.90—88.59	Sunday	12½—13	88.90—88.59	12½—13
5	13—13½	88.50—88.20	14½	15	87.5—87.11	Holiday	Holiday	89.00—88.69	Holiday	12½—13	89.00—88.69	12½—13
6	12½—13½	88.70—88.40	Sunday	Sunday	87.91—87.15	11½—12½	11½—12½	89.10—88.79	12½—13	12½—13	89.10—88.79	12½—13
7	12½—13½	88.69—88.40	12½—13	13	87.9—87.30	12½—13	12½—13	89.20—88.89	12½—13	12½—13	89.20—88.89	12½—13
8	Sunday	88.50—88.20	13½—14	14	87.9—87.30	12½—13	12½—13	89.30—88.99	Sunday	12½—13	89.30—88.99	12½—13
9	13—13½	88.50—88.20	13½—14	14	87.9—87.30	13½—14	13½—14	89.40—89.09	12½—13	12½—13	89.40—89.09	12½—13
10	12½—13½	88.50—88.20	13½—14	14	87.9—87.30	Sunday	Sunday	89.50—89.19	12½—13	12½—13	89.50—89.19	12½—13
11	12½—13½	88.50—88.20	13½—14	14	87.9—87.30	13½—14	13½—14	89.60—89.29	12½—13	12½—13	89.60—89.29	12½—13
12	12½—13½	88.50—88.20	13½—14	14	87.9—87.30	13½—14	13½—14	89.70—89.39	12½—13	12½—13	89.70—89.39	12½—13
13	12½—13½	88.50—88.20	13½—14	14	87.9—87.30	Sunday	Sunday	89.80—89.49	12½—13	12½—13	89.80—89.49	12½—13
14	13—13½	88.50—88.11	13½—14	14	87.9—87.30	13½—14	13½—14	89.90—89.59	12½—13	12½—13	89.90—89.59	12½—13
15	Sunday	88.50—88.11	13½—14	14	87.9—87.30	13½—14	13½—14	90.00—89.69	Sunday	12½—13	90.00—89.69	12½—13
16	13½—14½	88.20—87.91	12½—13	13	87.9—87.30	Sunday	Sunday	90.10—89.79	12½—13	12½—13	90.10—89.79	12½—13
17	13½—14½	88.01—87.24	12½—13	13	87.9—87.30	Sunday	Sunday	90.20—89.89	12½—13	12½—13	90.20—89.89	12½—13
18	13½—14½	87.9—87.24	12½—13	13	87.9—87.30	Sunday	Sunday	90.30—89.99	12½—13	12½—13	90.30—89.99	12½—13
19	13½—14½	88.01—87.24	12½—13	13	87.9—87.30	Sunday	Sunday	90.40—90.09	12½—13	12½—13	90.40—90.09	12½—13
20	13½—14½	87.91—87.24	12½—13	13	87.9—87.30	Sunday	Sunday	90.50—90.19	12½—13	12½—13	90.50—90.19	12½—13
21	13½—14½	87.91—87.24	12½—13	13	87.9—87.30	Sunday	Sunday	90.60—90.29	12½—13	12½—13	90.60—90.29	12½—13
22	Sunday	88.20—87.91	12½—13	13	87.9—87.30	Sunday	Sunday	90.70—90.39	12½—13	12½—13	90.70—90.39	12½—13
23	13½—14½	88.20—87.91	12½—13	13	87.9—87.30	Sunday	Sunday	90.80—90.49	12½—13	12½—13	90.80—90.49	12½—13
24	13½—14½	88.01—87.24	12½—13	13	87.9—87.30	Sunday	Sunday	90.90—90.59	12½—13	12½—13	90.90—90.59	12½—13
25	13½—14½	88.11—87.24	12½—13	13	87.9—87.30	Sunday	Sunday	91.00—90.69	12½—13	12½—13	91.00—90.69	12½—13
26	13½—14½	88.20—87.24	12½—13	13	87.9—87.30	Sunday	Sunday	91.10—90.79	12½—13	12½—13	91.10—90.79	12½—13
27	13½—14½	88.11—87.24	12½—13	13	87.9—87.30	Sunday	Sunday	91.20—90.89	12½—13	12½—13	91.20—90.89	12½—13
28	13½—14½	88.11—87.24	12½—13	13	87.9—87.30	Sunday	Sunday	91.30—90.99	12½—13	12½—13	91.30—90.99	12½—13
29	Sunday	88.01—87.24	12½—13	13	87.9—87.30	Sunday	Sunday	91.40—91.09	12½—13	12½—13	91.40—91.09	12½—13
30	13½—14½	88.01—87.24	12½—13	13	87.9—87.30	Sunday	Sunday	91.50—91.19	12½—13	12½—13	91.50—91.19	12½—13
31			12½—13	13	87.9—87.30	Sunday	Sunday	91.60—91.29	12½—13	12½—13	91.60—91.29	12½—13

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	JANUARY			FEBRUARY			MARCH			APRIL		
	Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold	
1	Holiday	Holiday		13 ½ — 13 ½	88.40—88.11		14 ½ — 15 ½	87.24—86.86		16 ½ — 17 ½	85.56—85.11	
2	11 ½ — 12 ½	89.49—89.19		Sunday	Sunday		Sunday	Sunday		16 ½ — 17 ½	85.56—85.02	
3	11 ½ — 11 ½	89.59—89.49		13 — 13 ½	88.50—88.30		14 ½ — 15 ½	87.05—86.77		17 ½ — 17 ½	85.29—84.84	
4	11 ½ — 11 ½	89.59—89.39		12 ½ — 13 ½	88.59—88.11		14 ½ — 15 ½	87.15—86.86		17 ½ — 18 ½	85.02—84.21	
5	Sunday	Sunday		13 ½ — 13 ½	88.20—87.82		15 — 15 ½	86.96—86.77		18 ½ — 19 ½	84.57—83.95	
6	11 ½ — 11 ½	89.59—89.39		13 ½ — 13 ½	88.11—87.82		15 — 15 ½	86.96—86.67		Sunday	Sunday	
7	11 ½ — 11 ½	89.59—89.39		13 ½ — 14	88.30—87.72		15 ½ — 15 ½	86.77—86.39		18 ½ — 19 ½	84.39—83.95	
8	11 ½ — 12 ½	89.49—89.09		13 ½ — 14 ½	87.91—87.53		15 ½ — 15 ½	86.67—86.39		18 — 18 ½	84.75—84.30	
9	12 ½ — 12 ½	89.19—88.89		Sunday	Sunday		Sunday	Sunday		17 ½ — 18 ½	84.84—84.48	
10	12 ½ — 12 ½	89.09—88.89		13 ½ — 14 ½	87.82—87.53		15 — 15 ½	86.96—86.58		Holiday	Holiday	
11	12 ½ — 12 ½	89.19—88.99		13 ½ — 14 ½	87.91—87.53		15 — 15 ½	86.96—86.77		17 ½ — 18 ½	84.84—84.48	
12	Sunday	Sunday		14 — 14 ½	87.72—87.53		15 — 15 ½	86.96—86.77		18 ½ — 19 ½	84.48—83.95	
13	12 — 12 ½	89.39—89.09		14 — 14 ½	87.72—87.43		14 ½ — 15 ½	87.05—86.77		Sunday	Sunday	
14	11 ½ — 12 ½	89.39—89.19		14 — 14 ½	87.72—87.34		14 ½ — 15 ½	87.15—86.86		18 ½ — 18 ½	84.66—84.12	
15	12 — 12 ½	89.39—88.99		14 ½ — 14 ½	87.53—87.24		14 ½ — 15 ½	87.15—86.86		17 ½ — 18 ½	85.20—84.12	
16	12 ½ — 12 ½	89.09—88.79		Sunday	Sunday		Sunday	Sunday		17 ½ — 17 ½	85.38—85.02	
17	12 ½ — 12 ½	88.99—88.69		14 ½ — 14 ½	87.34—87.15		15 — 15 ½	86.96—86.58		17 — 17 ½	85.47—85.02	
18	12 ½ — 13 ½	88.79—88.30		14 ½ — 14 ½	87.34—87.05		15 ½ — 15 ½	86.77—86.49		17 ½ — 18 ½	85.11—84.57	
19	Sunday	Sunday		14 ½ — 14 ½	87.34—87.15		15 ½ — 15 ½	86.77—86.49		17 ½ — 18 ½	84.93—84.57	
20	12 ½ — 13 ½	88.59—88.20		14 ½ — 14 ½	87.43—87.24		15 ½ — 15 ½	86.58—86.39		Sunday	Sunday	
21	13 ½ — 13 ½	88.30—87.82		14 ½ — 14 ½	87.43—87.24		15 ½ — 15 ½	86.67—86.49		17 ½ — 17 ½	85.20—84.84	
22	13 ½ — 13 ½	88.20—87.91		Holiday	Holiday		15 ½ — 15 ½	86.58—86.39		17 ½ — 17 ½	85.20—84.84	
23	13 ½ — 13 ½	88.30—87.82		Sunday	Sunday		15 ½ — 15 ½	86.58—86.39		17 ½ — 17 ½	85.20—84.84	
24	13 ½ — 14 ½	89.01—87.53		14 ½ — 14 ½	87.53—87.34		15 ½ — 15 ½	86.77—86.39		17 ½ — 17 ½	85.29—85.02	
25	13 ½ — 14 ½	87.91—87.53		14 ½ — 15 ½	87.24—86.86		15 ½ — 16 ½	86.39—86.02		17 ½ — 17 ½	85.11—84.84	
26	Sunday	Sunday		14 ½ — 14 ½	87.34—87.05		15 ½ — 16 ½	86.30—85.84		17 ½ — 17 ½	85.29—84.84	
27	13 ½ — 14	88.01—87.72		14 ½ — 14 ½	87.34—87.15		16 ½ — 16 ½	85.93—85.65		Sunday	Sunday	
28	13 ½ — 14 ½	87.91—87.62		.....	.....		16 ½ — 17	85.84—85.47		17 — 17 ½	85.47—85.20	
29	13 ½ — 14	87.91—87.72		.....	.....		Sunday	Sunday		16 ½ — 17 ½	85.65—85.38	
30	13 ½ — 14	88.01—87.72		.....	.....		16 ½ — 18 ½	85.65—84.39		16 ½ — 17 ½	85.56—85.29	
31	13 ½ — 13 ½	88.20—87.82		.....	.....		.....	.....		.....	.....	

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.  
1873.

	MAY			JUNE			JULY			AUGUST		
	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold
1	16%—17%	85.65—85.20	Sunday	85.11—84.84	15%—15%	86.86—86.58	15%—15%	86.77—86.39	15%—15%	86.77—86.39	15%—15%	86.77—86.39
2	16%—16%	85.74—85.56	17%—17%	85.20—85.02	15%—15%	86.86—86.67	15%—15%	86.86—86.77	15%—15%	86.86—86.58	15%—15%	86.86—86.58
3	16%—17%	85.74—85.47	17%—17%	84.93—84.57	15%—15%	86.86—86.77	15%—15%	86.86—86.77	15%—15%	86.86—86.58	15%—15%	86.86—86.58
4	Sunday	Sunday	17%—18%	84.93—84.75	Holiday	Holiday	Holiday	Holiday	15%—15%	86.77—86.58	15%—15%	86.77—86.58
5	16%—17%	85.74—85.38	17%—18%	84.93—84.75	Holiday	Holiday	15%—15%	86.77—86.58	15%—15%	86.77—86.58	15%—15%	86.77—86.58
6	17%—17%	85.47—85.29	17%—18%	84.84—84.57	Sunday	86.86—86.67	15%—15%	86.86—86.67	15%—15%	86.86—86.67	15%—15%	86.86—86.67
7	17%—17%	85.29—85.11	17%—18%	84.93—84.66	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
8	17%—17%	85.38—85.11	Sunday	84.93—84.66	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
9	17%—17%	85.38—85.20	17%—18%	84.93—84.66	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
10	17%—18%	85.11—84.48	17%—17%	85.11—84.93	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
11	Sunday	Sunday	17%—17%	85.38—85.11	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
12	17%—18%	85.20—84.57	16%—17%	85.65—85.47	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
13	17%—17%	85.11—84.84	16%—17%	85.56—85.38	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
14	17%—18%	85.02—84.75	16%—17%	85.21—85.47	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
15	17%—17%	85.02—84.84	16%—17%	85.21—85.47	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
16	17%—18%	84.93—84.75	Sunday	86.21—85.47	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
17	18%—18%	84.75—84.48	Sunday	86.21—85.47	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
18	Sunday	Sunday	15%—16%	86.39—85.84	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
19	17%—18%	85.20—84.66	15%—15%	86.39—85.84	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
20	17%—17%	85.02—84.84	15%—15%	86.58—86.30	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
21	17%—17%	85.20—84.93	15%—15%	86.39—86.11	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
22	17%—18%	85.11—84.75	15%—15%	86.77—86.21	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
23	17%—18%	84.84—84.48	15%—15%	86.77—86.58	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
24	18%—18%	84.48—84.30	Sunday	86.77—86.58	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
25	Sunday	Sunday	15%—15%	86.96—86.67	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
26	18%—18%	84.66—84.30	15%—15%	86.67—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
27	17%—18%	84.84—84.39	15%—15%	86.58—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
28	18%—18%	84.57—84.39	15%—15%	86.58—86.30	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
29	18%—18%	84.66—84.39	15%—15%	86.77—86.58	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49	15%—15%	86.77—86.49
30	Holiday	Holiday	Sunday	86.67—86.49	15%—15%	86.67—86.49	15%—15%	86.67—86.49	15%—15%	86.67—86.49	15%—15%	86.67—86.49
31	17%—18%	84.93—84.66	15%—15%	86.67—86.49	15%—15%	86.67—86.49	15%—15%	86.67—86.49	15%—15%	86.67—86.49	15%—15%	86.67—86.49

TABLE 1.—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.  
1873.

	SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold	
1	15 1/4—16	86.58—86.21		10%—11 1/4	90.60—89.89		8 1/4—8%	92.49—91.95		8%—9	91.95—91.74	
2	15 1/4—16 1/4	86.39—86.11		10 1/4—10%	90.50—90.19		Sunday	Sunday		8%—9 1/4	92.06—91.53	
3	15 1/4—16 1/4	86.30—86.11		9%—10%	91.12—90.60		7 1/4—8%	93.02—92.38		8%—9 1/4	91.85—91.53	
4	15%—15 1/4	86.67—86.30		9%—10%	91.01—90.70		Holiday	Holiday		8%—9	92.06—91.74	
5	14 1/4—15 1/4	87.34—86.58		Sunday	Sunday		6%—7%	93.57—92.92		9—9%	91.74—91.43	
6	12%—14 1/4	88.59—87.34		9%—10%	91.12—90.70		6 1/4—7	94.23—93.46		9 1/4—9%	91.53—91.22	
7	Sunday	Sunday		10 1/4—10%	90.81—90.60		6 1/4—7	94.12—93.02		Sunday	Sunday	
8	12—12 1/4	89.29—88.59		9%—10%	91.22—90.70		7—7%	93.46—92.70		9—9%	91.74—91.32	
9	11%—12 1/4	89.59—89.09		9—9%	91.74—91.22		Sunday	Sunday		9 1/4—9%	91.64—91.32	
10	10%—11 1/4	90.19—89.69		8%—9	92.37—91.74		7 1/4—7%	93.24—92.81		9 1/4—9%	91.53—91.22	
11	11—11 1/4	90.09—89.49		8%—8 1/4	92.49—92.17		7 1/4—7%	93.46—92.92		9%—9%	91.43—91.22	
12	11 1/4—11 1/2	89.89—89.39		Sunday	Sunday		7—7 1/4	93.46—93.02		9%—10%	91.22—90.70	
13	11%—12	89.79—89.29		8 1/4—8%	92.49—92.06		7%—8%	93.13—92.38		9%—10%	91.12—90.70	
14	Sunday	Sunday		8%—8%	92.27—92.06		8 1/4—9%	92.38—91.01		Sunday	Sunday	
15	11—11 1/4	90.09—89.59		8%—9%	92.38—91.64		8%—10	91.85—90.91		10%—11 1/4	90.60—89.69	
16	11—11 1/4	90.09—89.89		7%—8 1/4	92.92—92.17		Sunday	Sunday		11%—12%	89.59—88.79	
17	11 1/4—11 1/2	89.99—89.79		7%—8%	92.81—91.95		9%—9%	91.53—91.01		11%—12%	89.59—89.09	
18	11 1/4—12%	89.89—88.59		8 1/4—8%	92.38—92.06		9 1/4—10%	91.53—90.70		11%—12%	89.79—89.19	
19	11 1/4—13%	89.89—88.40		Sunday	Sunday		9%—9%	91.64—91.01		10%—11%	90.19—89.49	
20	11 1/4—12%	89.99—88.79		8—8%	92.59—92.06		8%—9%	92.06—91.53		10 1/4—10%	90.81—90.29	
21	Sunday	Sunday		8 1/4—8%	92.38—91.95		9%—10%	91.22—90.50		Sunday	Sunday	
22	12—12 1/4	89.29—89.29		8%—8%	92.38—92.17		9%—10%	91.12—90.50		10%—10%	90.81—90.29	
23	11%—12%	89.79—89.09		8%—8%	92.37—92.06		Sunday	Sunday		9%—10%	91.01—90.60	
24	11%—12%	89.79—89.19		8 1/4—8%	92.17—91.95		9%—10	91.43—90.91		9%—10%	91.12—90.50	
25	11 1/4—11 1/2	89.99—89.59		8%—8%	92.27—91.95		9%—9%	91.64—91.22		Holiday	Holiday	
26	11 1/4—14 1/4	89.89—87.34		Sunday	Sunday		8%—9%	91.85—91.53		9 1/4—10%	91.53—90.70	
27	13 1/4—15%	88.30—86.58		8%—8%	92.49—92.06		Thanksgiving	Thanksgiving		10—10%	90.91—90.29	
28	Sunday	Sunday		8 1/4—8%	92.49—92.27		9 1/4—9%	91.53—91.12		Sunday	Sunday	
29	11%—13 1/4	89.49—88.30		8%—8%	92.38—91.95		8%—9%	92.06—91.64		10—10%	90.91—90.50	
30	11%—12%	89.79—88.89		8%—8%	92.38—92.06		Sunday	Sunday		10—10%	90.91—90.40	
31				8 1/4—8 1/4	92.38—92.17					10 1/4—10%	90.70—90.50	



TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	JANUARY			FEBRUARY			MARCH			APRIL		
	Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold	
1	Holiday			Sunday	Sunday		Sunday	Sunday		13 1/4—13 1/4	88.11—87.91	
2	10 1/4—10 1/2	90.81—90.50		11 1/4—11 1/4	89.69—89.59		12 1/4—12 1/4	89.19—88.89		13 1/4—13 1/4	88.30—88.01	
3	10 3/4—11 1/2	90.60—89.69		11 1/4—11 1/4	89.69—89.59		12 1/4—12 1/4	89.19—88.99		Holiday	Holiday	
4	Sunday			11 1/4—11 1/4	89.69—89.49		11 1/4—11 1/4	89.49—89.09		13 1/4—13 1/4	88.30—88.01	
5	11—11 1/4	90.09—89.39		11 1/4—11 1/4	89.69—89.59		11 1/4—11 1/4	89.49—89.19		Sunday	Sunday	
6	11—11 1/2	90.09—89.69		11 1/4—11 1/4	89.79—89.49		11 1/4—11 1/4	89.79—89.39		13 1/4—13 1/4	88.30—88.01	
7	10 3/4—11 1/4	90.19—89.89		11 1/4—11 1/4	89.79—89.39		11 1/4—11 1/4	89.89—89.49		13 1/4—13 1/4	88.30—87.91	
8	11 1/4—11 1/4	89.99—89.49		Sunday	Sunday		Sunday	Sunday		13 1/4—13 1/4	88.11—87.91	
9	11 3/4—11 3/4	89.79—89.49		11 1/4—12 1/4	89.49—89.19		11 1/4—11 1/4	89.69—89.39		13 1/4—13 1/4	88.20—87.91	
10	11 3/4—12	89.59—89.29		12—12 1/4	89.29—88.99		11 1/4—11 1/4	89.59—89.39		13 1/4—13 1/4	88.11—87.82	
11	Sunday			12—12 1/4	89.29—88.99		11 1/4—12	89.59—89.29		13 1/4—13 1/4	88.11—88.01	
12	11 1/4—12 1/4	89.49—89.19		12 1/4—12 1/4	89.19—88.99		11 1/4—12 1/4	89.39—89.19		Sunday	Sunday	
13	11 1/4—11 1/4	89.80—89.49		12 1/4—12 1/4	89.19—88.99		11 1/4—12 1/4	89.59—89.19		13 1/4—13 1/4	88.01—87.82	
14	11 3/4—11 1/4	89.79—89.59		12 1/4—12 1/4	89.19—88.99		11 1/4—12 1/4	89.59—89.29		13 1/4—14	87.91—87.62	
15	11 1/4—11 1/2	89.89—89.69		12 1/4—12 1/4	88.99—88.59		Sunday	Sunday		13 1/4—14	87.91—87.43	
16	11 3/4—11 1/4	89.70—89.59		12 1/4—13	88.89—88.50		11 1/4—12 1/4	89.39—89.09		13 1/4—13 1/4	88.11—87.91	
17	11 1/4—11 1/2	89.99—89.69		12 1/4—12 1/4	88.89—88.59		11 1/4—12 1/4	89.39—89.09		13 1/4—13 1/4	88.11—87.82	
18	Sunday			12 1/4—12 1/4	88.89—88.69		11 1/4—12	89.49—89.29		13 1/4—13 1/4	87.91—87.82	
19	11—11 1/4	90.09—89.79		12 1/4—12 1/4	88.79—88.59		11 1/4—12	89.49—89.29		Sunday	Sunday	
20	11 1/4—11 1/4	89.99—89.59		12 1/4—12 1/4	88.89—88.69		11 1/4—12	89.49—89.29		13 1/4—14	87.82—87.62	
21	11 1/4—11 1/4	89.59—89.39		12 1/4—12 1/4	88.89—88.69		11 1/4—12	89.49—89.29		13 1/4—14	87.91—87.72	
22	11 1/4—11 1/4	89.89—89.49		12 1/4—12 1/4	88.70—88.59		11 1/4—12	89.59—89.29		13 1/4—13 1/4	88.11—87.82	
23	11 1/4—11 1/4	89.79—89.59		Sunday	Sunday		Sunday	Sunday		12 1/4—13 1/4	88.99—88.40	
24	11 3/4—11 3/4	89.70—89.59		Holiday	Holiday		12—12 1/4	89.29—89.09		11 1/4—12 1/4	89.49—88.99	
25	Sunday			12 1/4—13	88.69—88.50		11 1/4—11 1/4	89.59—89.39		12 1/4—12 1/4	89.19—88.89	
26	11 3/4—11 3/4	89.79—89.49		12 1/4—12 1/4	88.79—88.59		12—12 1/4	89.29—89.09		Sunday	Sunday	
27	11 3/4—11 3/4	89.79—89.49		12 1/4—12 1/4	88.89—88.69		12 1/4—12 1/4	88.99—88.69		12 1/4—13 1/4	89.19—88.40	
28	11 3/4—11 3/4	89.79—89.59		12 1/4—12 1/4	88.89—88.69		13—13 1/4	88.50—88.11		13—13 1/4	88.50—88.30	
29	11 1/4—11 1/4	89.89—89.59		12 1/4—12 1/4	88.70—88.69		12 1/4—13 1/4	88.59—88.30		12 1/4—13 1/4	88.59—88.30	
30	11 1/4—11 1/4	89.99—89.79					Sunday	Sunday		12 1/4—13 1/4	88.59—88.30	
31	11 3/4—11 1/2	89.79—89.69					12 1/4—13 1/4	88.69—88.11				
							13 1/4—13 1/4	88.30—88.01				

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	MAY			JUNE			JULY			AUGUST		
	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold
1	12%—13%	88.59—88.40	12 — 12 1/4	12 — 12 1/4	89.29—89.09	10 1/4 — 10%	10 1/4 — 10%	90.50—90.19	9 1/4 — 9%	9 1/4 — 9%	91.53—91.22	9 1/4 — 9%
2	12%—13	88.59—88.50	12 — 12 1/4	12 — 12 1/4	89.29—89.19	10 1/4 — 10%	10 1/4 — 10%	90.50—90.40	Sunday	Sunday	91.53—91.43	Sunday
3	Sunday	Sunday	11%—11 1/4	11%—11 1/4	89.59—89.29	10 1/4 — 10%	10 1/4 — 10%	90.70—90.40	9 1/4 — 9%	9 1/4 — 9%	91.53—91.43	9 1/4 — 9%
4	12%—12 1/4	88.99—88.69	11%—11 1/4	11%—11 1/4	89.79—89.59	Holiday	Holiday	Holiday	9%—9 1/4	9%—9 1/4	91.43—91.32	9%—9 1/4
5	12%—12 1/4	89.19—88.89	11 1/4 — 11%	11 1/4 — 11%	89.69—89.59	Sunday	Sunday	Sunday	9%—10	9%—10	91.22—90.91	9%—10
6	12 — 12 1/4	89.29—89.09	10%—11 1/4	10%—11 1/4	90.40—89.79	10 — 10%	10 — 10%	90.91—90.60	9%—10 1/4	9%—10 1/4	91.01—90.70	9%—10 1/4
7	12 1/4 — 12%	89.09—88.79	Sunday	Sunday	Sunday	9%—9 1/4	9%—9 1/4	91.22—91.01	10 — 10%	10 — 10%	90.91—90.70	10 — 10%
8	12%—12 1/4	88.79—88.59	10 1/2 — 10%	10 1/2 — 10%	90.50—90.19	9%—10	9%—10	91.12—90.91	Sunday	Sunday	91.32—90.91	Sunday
9	12%—12 1/4	88.99—88.69	10%—10 1/4	10%—10 1/4	90.50—90.29	9%—10	9%—10	91.01—90.91	9 1/4 — 9%	9 1/4 — 9%	91.32—91.12	9 1/4 — 9%
10	Sunday	Sunday	10 1/4 — 11 1/4	10 1/4 — 11 1/4	90.29—89.99	Sunday	Sunday	Sunday	9%—9%	9%—9%	91.43—91.22	9%—9%
11	12%—12 1/4	88.99—88.89	10%—11 1/4	10%—11 1/4	90.19—89.99	9%—9%	9%—9%	91.12—91.01	9 1/4 — 9%	9 1/4 — 9%	91.32—91.22	9 1/4 — 9%
12	12 — 12 1/4	89.29—88.89	10%—11 1/4	10%—11 1/4	90.19—89.99	9%—9%	9%—9%	91.12—91.01	9 1/4 — 9%	9 1/4 — 9%	91.32—91.22	9 1/4 — 9%
13	11%—12 1/4	89.39—89.09	10%—11 1/4	10%—11 1/4	90.29—89.89	9%—9%	9%—9%	91.12—91.01	9 1/4 — 9%	9 1/4 — 9%	91.32—91.22	9 1/4 — 9%
14	12 — 12 1/4	89.29—89.09	Sunday	Sunday	Sunday	9%—9%	9%—9%	91.12—91.01	Sunday	Sunday	91.32—91.22	Sunday
15	12 1/4 — 12%	89.09—88.79	10%—10 1/4	10%—10 1/4	90.39—90.19	9%—9%	9%—9%	91.12—91.01	9 1/4 — 9%	9 1/4 — 9%	91.32—91.22	9 1/4 — 9%
16	12 — 12 1/4	89.29—89.09	10%—11 1/4	10%—11 1/4	90.19—89.79	9%—9%	9%—9%	91.12—91.01	9 1/4 — 9%	9 1/4 — 9%	91.32—91.22	9 1/4 — 9%
17	Sunday	Sunday	11 — 11 1/4	11 — 11 1/4	90.09—89.79	9%—10	9%—10	90.91—90.70	9 1/4 — 9%	9 1/4 — 9%	91.32—91.22	9 1/4 — 9%
18	12 1/4 — 12%	89.19—89.09	11 — 11 1/4	11 — 11 1/4	90.09—89.89	10 — 10%	10 — 10%	90.91—90.70	9%—9%	9%—9%	91.43—91.22	9%—9%
19	12 — 12 1/4	89.29—89.09	11 — 11 1/4	11 — 11 1/4	90.09—89.89	Sunday	Sunday	Sunday	9%—9%	9%—9%	91.22—91.01	9%—9%
20	12 1/4 — 12%	89.19—89.09	11 1/4 — 11%	11 1/4 — 11%	89.99—89.89	10 1/4 — 10%	10 1/4 — 10%	90.81—90.70	9%—9%	9%—9%	91.22—91.01	9%—9%
21	12 1/4 — 12 1/4	89.09—88.89	Sunday	Sunday	Sunday	10 — 10%	10 — 10%	90.91—90.70	9%—10	9%—10	91.01—90.91	9%—10
22	12 1/4 — 12%	89.09—88.89	11 1/4 — 12	11 1/4 — 12	89.89—89.29	10 1/4 — 10%	10 1/4 — 10%	90.81—90.70	9%—10	9%—10	91.12—90.91	9%—10
23	12 1/4 — 12%	89.09—88.99	11%—12	11%—12	89.59—89.29	9%—10	9%—10	91.12—90.91	Sunday	Sunday	91.12—90.91	Sunday
24	Sunday	Sunday	11%—11 1/4	11%—11 1/4	89.79—89.49	9%—9%	9%—9%	91.22—91.01	9%—10	9%—10	91.01—90.91	9%—10
25	12%—12 1/4	88.99—88.89	11 1/4 — 11%	11 1/4 — 11%	89.89—89.59	9%—10	9%—10	91.12—90.91	9%—10	9%—10	91.32—90.91	9%—10
26	12 1/4 — 12 1/4	89.09—88.89	11 1/4 — 11%	11 1/4 — 11%	89.99—89.79	9%—10	9%—10	91.12—90.91	9%—9%	9%—9%	91.22—91.12	9%—9%
27	12 1/4 — 12 1/4	89.09—88.99	11 1/4 — 11%	11 1/4 — 11%	89.89—89.79	Sunday	Sunday	Sunday	9%—9%	9%—9%	91.22—91.12	9%—9%
28	12 1/4 — 12%	89.19—88.99	Sunday	Sunday	Sunday	9 — 9 1/4	9 — 9 1/4	91.74—91.32	9%—9%	9%—9%	91.12—91.12	9%—9%
29	12 1/4 — 12%	89.09—88.99	11 — 11	11 — 11	90.09—90.09	9 — 9%	9 — 9%	91.74—91.43	9%—9%	9%—9%	91.22—91.12	9%—9%
30	Holiday	Holiday	11 — 11 1/4	11 — 11 1/4	90.09—89.89	9 1/4 — 9%	9 1/4 — 9%	91.53—91.22	Sunday	Sunday	91.12—91.01	Sunday
31	Sunday	Sunday	.....	.....	.....	9 — 9 1/4	9 — 9 1/4	91.74—91.32	9%—9%	9%—9%	91.12—91.01	9%—9%

TABLE 1—(CONTINUED).  
Daily highest and lowest premiums on gold and price of greenbacks in gold.  
1874.

SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
Premium on Gold	Price in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold
1	9%—9%	91.22—91.12	10—10%	90.91—90.70	Sunday	10%—10%	90.70—90.60	11%—12%	89.39—89.09		
2	9%—9%	91.12—91.01	10%—10%	90.81—90.70	Holiday	10%—10%	90.81—90.60	11%—12%	89.39—89.09		
3	9%—10	91.12—90.91	10—10%	90.91—90.60	Sunday	10%—10%	90.81—90.50	12%—13%	89.19—89.09		
4	9%—9%	91.12—91.01	10—10%	90.91—90.81	Sunday	10%—10%	90.81—90.70	11%—12%	89.69—89.19		
5	9%—9%	91.12—91.01	10—10%	90.91—90.81	Sunday	10—10%	90.91—90.81	11%—11%	89.69—89.49		
6	Sunday		10—10%	90.81—90.70	Sunday	10—10%	90.91—90.70	Sunday			
7	9%—9%	91.12—91.12	10—10%	90.91—90.91	Sunday	10—10%	90.91—90.70	11%—11%	89.89—89.69		
8	9%—9%	91.22—91.12	9%—10	91.12—90.91	Sunday	10%—10%	90.81—90.60	10%—10%	90.50—89.89		
9	9%—9%	91.12—91.01	10—10%	90.91—90.81	Sunday	10%—10%	90.81—90.70	10%—11%	90.19—89.99		
10	9%—9%	91.12—91.12	10—10%	90.91—90.81	Sunday	10%—10%	90.70—90.60	10%—11%	90.39—89.89		
11	9%—9%	91.32—91.12	Sunday	91.01—90.81	Sunday	10%—10%	90.70—90.60	11%—11%	89.79—89.49		
12	9%—9%	91.43—91.32	9%—10%	91.01—90.81	Sunday	10%—10%	90.70—90.60	11%—11%	89.79—89.59		
13	Sunday		9%—10	91.01—90.91	Sunday	10%—10%	90.60—90.40	Sunday			
14	9%—9%	91.43—91.32	10—10	90.91—90.91	Sunday	10%—10%	90.40—90.29	11%—11%	89.89—89.59		
15	9%—9%	91.32—91.01	10—10%	90.91—90.81	Sunday	10%—11%	90.19—89.99	11%—11%	89.59—89.49		
16	9%—10	91.12—90.91	10—10	90.91—90.91	Sunday	11%—11%	89.99—89.79	11%—11%	89.79—89.59		
17	9%—10	91.12—90.91	9%—10	91.01—90.91	Sunday	10%—11%	90.19—89.89	11%—11%	89.79—89.69		
18	9%—9%	91.22—91.12	Sunday	91.01—90.91	Sunday	10%—11%	90.19—89.89	11%—11%	89.69—89.49		
19	9%—9%	91.22—91.22	10—10	90.91—90.91	Sunday	10%—11%	90.19—89.89	11%—11%	89.69—89.59		
20	Sunday		10—10%	90.91—90.70	Sunday	11%—11%	89.99—89.79	Sunday			
21	9%—9%	91.32—91.22	10%—10%	90.81—90.70	Sunday	11%—11%	89.89—89.79	11%—11%	89.69—89.59		
22	9%—9%	91.32—91.22	10%—10%	90.81—90.70	Sunday	11%—11%	89.79—89.59	11%—11%	89.69—89.59		
23	9%—9%	91.32—91.12	10—10%	90.91—90.81	Sunday	11%—11%	89.59—89.39	11%—11%	89.69—89.59		
24	9%—9%	91.32—91.22	10—10%	90.91—90.81	Sunday	11%—11%	89.59—89.49	11%—11%	89.59—89.49		
25	9%—9%	91.32—91.22	Sunday	90.91—90.81	Sunday	Thanksgiving	Thanksgiving	Christmas	Christmas		
26	9%—9%	91.32—91.01	10—10	90.91—90.91	Sunday	Thanksgiving	Thanksgiving	11%—12%	89.49—89.19		
27	Sunday		10—10	90.91—90.91	Sunday	11%—11%	89.59—89.39	Sunday			
28	9%—10	91.12—90.91	10—10%	90.91—90.70	Sunday	11%—12%	89.59—89.19	11%—12	89.49—89.29		
29	9%—10%	91.12—90.81	10%—10%	90.81—90.60	Sunday	Sunday	Sunday	11%—11%	89.59—89.39		
30	10—10%	90.91—90.70	10%—10%	90.81—90.60	Sunday	12%—13%	89.19—88.99	11%—11%	89.39—89.39		
31	.....	.....	10%—10%	90.81—90.81	.....	.....	.....	11%—12%	89.39—88.99		

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	JANUARY			FEBRUARY			MARCH			APRIL		
	Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold	
1	Holiday	Holiday		13 1/4—13 1/4	88.80—88.11		14 1/4—14 1/4	87.15—87.05		14 1/4—14 1/4	87.62—87.15	
2	12 1/2—12 1/2	88.99—88.69		13 1/4—14 1/4	88.11—87.62		14 1/4—14 1/4	87.34—87.05		14 1/4—14 1/4	87.72—87.34	
3	Sunday	Sunday		14 1/4—15 1/4	87.62—86.77		14 1/4—15 1/4	87.24—86.96		14 1/4—14 1/4	87.43—87.15	
4	12 1/2—13	88.99—88.50		14 1/4—14 1/4	87.53—87.05		14 1/4—15 1/4	87.15—86.77		Sunday	Sunday	
5	12—12 1/2	89.29—88.99		13 1/4—14 1/4	87.82—87.43		15—15 1/4	86.96—86.86		14 1/4—14 1/4	87.34—87.15	
6	12 1/4—12 1/2	89.09—88.99		14—14 1/4	87.72—87.43		14 1/4—15 1/4	87.05—86.86		14 1/4—14 1/4	87.24—87.15	
7	12 1/2—12 1/2	89.19—88.99		Sunday	Sunday		Sunday	Sunday		14 1/4—14 1/4	87.24—87.15	
8	12 1/4—12 1/2	89.19—88.99		14 1/4—14 1/4	87.53—87.24		14 1/4—15 1/4	87.15—86.96		14 1/4—15 1/4	87.24—86.96	
9	12 1/2—12 1/2	89.19—88.99		14 1/4—14 1/4	87.34—87.05		15—15 1/4	86.96—86.86		15—15 1/4	86.96—86.67	
10	Sunday	Sunday		14 1/4—14 1/4	87.24—87.05		15—15 1/4	86.96—86.77		15 1/4—15 1/4	86.86—86.77	
11	12 1/4—12 1/2	89.09—88.99		14 1/4—14 1/4	87.43—87.24		15 1/4—15 1/4	86.77—86.39		Sunday	Sunday	
12	12 1/2—12 1/2	88.99—88.79		14 1/4—14 1/4	87.43—87.15		15 1/4—15 1/4	86.86—86.49		15 1/4—15 1/4	86.77—86.67	
13	12 1/2—12 1/2	88.89—88.69		14 1/4—14 1/4	87.34—87.15		14 1/4—15 1/4	87.05—86.67		14 1/4—15 1/4	87.05—86.67	
14	12—12 1/4	89.29—88.89		Sunday	Sunday		Sunday	Sunday		15—15 1/4	86.96—86.77	
15	11 1/2—12 1/4	89.49—89.19		14 1/4—14 1/4	87.34—87.24		15 1/4—16	86.67—86.21		15 1/4—15 1/4	86.86—86.77	
16	12—12 1/4	89.29—89.09		14 1/4—15 1/4	87.34—86.86		15 1/4—16 1/4	86.39—86.11		15 1/4—15 1/4	86.86—86.77	
17	Sunday	Sunday		14 1/4—15 1/4	87.05—86.67		15 1/4—16 1/4	86.30—85.74		15—15 1/4	86.96—86.77	
18	12 1/2—12 1/2	89.19—88.99		14 1/4—15 1/4	87.05—86.77		16 1/4—16 1/4	85.98—85.65		Sunday	Sunday	
19	12 1/4—12 1/2	89.09—88.89		14 1/4—14 1/4	87.24—87.05		15 1/4—16 1/4	86.30—85.74		15—16 1/4	86.96—86.86	
20	12 1/4—12 1/2	89.09—88.69		14 1/4—14 1/4	87.34—87.15		15 1/4—16	86.49—86.21		15 1/4—15 1/4	86.86—86.77	
21	12 1/2—12 1/2	88.99—88.79		Sunday	Sunday		Sunday	Sunday		14 1/4—15 1/4	87.15—86.86	
22	12 1/4—12 1/2	88.89—88.69		Holiday	Holiday		16 1/4—16 1/4	86.11—86.02		14 1/4—15 1/4	87.05—86.96	
23	12 1/2—12 1/2	88.89—88.79		14 1/4—14 1/4	87.43—87.15		16—16 1/4	86.21—85.93		15 1/4—15 1/4	86.86—86.67	
24	Sunday	Sunday		14 1/4—14 1/4	87.43—87.24		15 1/4—15 1/4	86.58—86.30		15 1/4—15 1/4	86.77—86.67	
25	12 1/2—12 1/2	88.79—88.59		14 1/4—14 1/4	87.53—87.43		15 1/4—16	86.58—86.21		Sunday	Sunday	
26	12 1/2—12 1/2	88.69—88.59		14 1/4—14 1/4	87.53—87.34		Holiday	Holiday		15 1/4—15 1/4	86.86—86.67	
27	12 1/2—13	89.19—88.50		14 1/4—14 1/4	87.34—87.24		16 1/4—16 1/4	86.11—86.02		15 1/4—15 1/4	86.77—86.39	
28	12 1/2—13 1/4	88.59—88.30		Sunday	Sunday		Sunday	Sunday		15 1/4—15 1/4	86.77—86.67	
29	13—13 1/4	88.50—88.20					16 1/4—17	85.93—85.47		15 1/4—15 1/4	86.67—86.67	
30	12 1/2—13 1/4	88.59—88.30					14 1/4—16 1/4	87.05—85.56		15 1/4—15 1/4	86.67—86.58	
31	Sunday	Sunday					14 1/4—14 1/4	87.43—87.05				

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	MAY			JUNE			JULY			AUGUST		
	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold
1	15 1/4	86.77	16 1/4	16 1/4	86.02	16 1/4	16 1/4	85.56	13 1/4	13 1/4	88.79	13 1/4
2	Sunday	Sunday	16 1/4	16 1/4	85.93	16 1/4	17 1/4	85.47	13 1/4	13 1/4	88.69	13 1/4
3	15 1/4	86.96	16 1/4	16 1/4	85.84	16 1/4	17 1/4	85.47	13 1/4	13 1/4	88.59	13 1/4
4	15 1/4	86.86	16 1/4	17 1/4	85.47	17 1/4	Sunday	Sunday	13 1/4	13 1/4	88.50	13 1/4
5	15 1/4	86.77	16 1/4	16 1/4	85.56	16 1/4	Holiday	Holiday	13 1/4	13 1/4	88.50	13 1/4
6	15 1/4	86.77	16 1/4	Sunday	Sunday	17 1/4	17 1/4	85.47	13 1/4	14 1/4	88.11	13 1/4
7	15 1/4	86.67	16 1/4	16 1/4	85.56	16 1/4	16 1/4	85.84	13 1/4	13 1/4	88.11	13 1/4
8	15 1/4	86.49	16 1/4	16 1/4	85.56	16 1/4	15 1/4	86.49	13 1/4	Sunday	88.11	13 1/4
9	Sunday	Sunday	16 1/4	16 1/4	85.84	16 1/4	15 1/4	86.21	13 1/4	13 1/4	88.01	13 1/4
10	15 1/4	86.58	16 1/4	16 1/4	85.84	16 1/4	15 1/4	86.30	13 1/4	14 1/4	87.82	13 1/4
11	15 1/4	86.67	16 1/4	16 1/4	85.74	16 1/4	Sunday	Sunday	13 1/4	14 1/4	87.82	13 1/4
12	15 1/4	86.58	16 1/4	16 1/4	85.84	16 1/4	15 1/4	86.49	13 1/4	14 1/4	88.11	13 1/4
13	15 1/4	86.49	16 1/4	16 1/4	85.84	16 1/4	15 1/4	86.49	13 1/4	13 1/4	88.40	13 1/4
14	15 1/4	86.30	16 1/4	Sunday	Sunday	16 1/4	15 1/4	86.77	13 1/4	13 1/4	88.40	13 1/4
15	15 1/4	86.30	16 1/4	16 1/4	85.65	16 1/4	15 1/4	87.15	13 1/4	13 1/4	88.40	13 1/4
16	Sunday	Sunday	16 1/4	16 1/4	85.56	16 1/4	14 1/4	87.43	13 1/4	Sunday	88.40	13 1/4
17	16 1/4	86.21	16 1/4	16 1/4	85.84	16 1/4	14 1/4	87.62	13 1/4	13 1/4	88.40	13 1/4
18	15 1/4	86.30	16 1/4	17 1/4	85.65	16 1/4	13 1/4	88.30	13 1/4	13 1/4	88.50	13 1/4
19	16 1/4	86.11	16 1/4	17 1/4	85.29	16 1/4	12 1/4	88.70	13 1/4	13 1/4	88.01	13 1/4
20	16 1/4	86.11	16 1/4	Sunday	Sunday	17 1/4	12 1/4	88.70	13 1/4	13 1/4	88.20	13 1/4
21	15 1/4	86.40	16 1/4	17 1/4	85.29	17 1/4	11 1/4	88.70	13 1/4	13 1/4	88.40	13 1/4
22	16 1/4	86.11	16 1/4	17 1/4	85.29	17 1/4	12 1/4	89.29	13 1/4	Sunday	88.40	13 1/4
23	Sunday	Sunday	17 1/4	17 1/4	85.38	17 1/4	12 1/4	89.29	13 1/4	13 1/4	88.30	13 1/4
24	16 1/4	86.11	16 1/4	17 1/4	85.38	17 1/4	12 1/4	89.29	13 1/4	13 1/4	88.30	13 1/4
25	16 1/4	86.11	16 1/4	17 1/4	85.38	17 1/4	12 1/4	89.29	13 1/4	13 1/4	88.30	13 1/4
26	16 1/4	86.11	16 1/4	17 1/4	85.38	17 1/4	12 1/4	89.29	13 1/4	13 1/4	88.30	13 1/4
27	16 1/4	86.11	16 1/4	Sunday	Sunday	17 1/4	12 1/4	89.29	13 1/4	13 1/4	88.30	13 1/4
28	16 1/4	86.11	16 1/4	17 1/4	85.47	17 1/4	12 1/4	89.29	13 1/4	13 1/4	88.30	13 1/4
29	16 1/4	86.11	16 1/4	17 1/4	85.29	17 1/4	12 1/4	89.29	13 1/4	13 1/4	88.30	13 1/4
30	Sunday	Sunday	16 1/4	16 1/4	85.50	16 1/4	12 1/4	89.29	13 1/4	Sunday	88.30	13 1/4
31	Holiday	Holiday					12 1/4	89.29	13 1/4	14 1/4	87.72	14 1/4

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold	
1	14 1/4—14 1/4	87.62—87.43		16 1/2—17	85.65—85.47		15 1/2—16 1/2	86.30—85.93		14 1/4—15 1/4	87.05—86.77	
2	13 3/4—14 1/4	87.91—87.53		16 1/2—17 1/4	85.65—85.29		Holiday	Holiday		14 1/4—15 1/4	87.05—86.77	
3	14 1/4—14 1/4	87.62—87.43		Sunday	Sunday		15—15 1/2	86.96—86.30		14 1/4—14 1/4	87.24—87.05	
4	14 1/4—14 1/4	87.53—87.24		17—17 1/2	85.47—85.20		14 1/4—15 1/2	87.05—86.67		14 1/4—14 1/4	87.58—87.15	
5	Sunday	Sunday		17 1/2—17 1/2	85.38—85.02		15 1/2—15 1/2	86.86—86.49		Sunday	Sunday	
6	14 1/4—15	87.34—86.96		16 1/2—17 1/2	85.56—85.38		14 1/4—15 1/2	87.05—86.67		14 1/4—14 1/4	87.62—87.34	
7	14 1/4—15 1/4	87.05—86.77		16 1/2—17 1/2	85.56—85.38		Sunday	Sunday		14 1/4—14 1/4	87.62—87.43	
8	14 1/4—15 1/4	87.05—86.77		16 1/2—17 1/2	85.93—85.38		14 1/4—15 1/2	87.15—86.77		14—14 1/4	87.72—87.43	
9	15 1/4—15 1/2	86.77—86.49		16 1/2—17 1/2	85.93—85.38		14 1/4—15	87.43—86.96		14 1/4—14 1/4	87.43—87.34	
10	15 1/4—17	86.30—85.47		16 1/2—16 1/2	85.93—85.65		14 1/4—14 1/4	87.62—87.24		14 1/4—14 1/4	87.53—87.34	
11	16 1/2—17 1/2	85.93—85.38		Sunday	Sunday		14 1/4—14 1/4	87.43—87.24		14 1/4—14 1/4	87.43—87.34	
12	Sunday	Sunday		16—16 1/2	85.84—85.74		14 1/4—14 1/4	87.43—87.15		Sunday	Sunday	
13	16—16 1/2	86.21—85.74		16—16 1/2	86.21—85.84		14 1/4—14 1/4	87.59—87.15		14 1/4—14 1/4	87.62—87.43	
14	16 1/4—17	86.02—85.47		15 1/2—16 1/2	86.49—85.93		Sunday	Sunday		14 1/4—14 1/4	87.43—87.34	
15	16 1/4—17	85.84—85.47		16 1/2—16 1/2	85.93—85.56		14 1/4—14 1/4	87.59—87.15		14 1/4—14 1/4	87.53—87.43	
16	16 1/4—16 1/2	86.11—85.65		16 1/2—17	85.84—85.47		14 1/4—14 1/4	87.62—87.43		14 1/4—14 1/4	87.62—87.43	
17	15 3/4—16 1/2	86.39—85.93		16 1/2—17	85.93—85.47		14 1/4—14 1/4	87.59—87.15		13 1/2—14 1/4	88.01—87.62	
18	16 1/4—17	86.02—85.47		Sunday	Sunday		14 1/4—15	87.15—86.96		Sunday	Sunday	
19	Sunday	Sunday		16 1/2—16 1/2	85.74—85.56		14 1/4—15	87.24—87.15		13 1/2—13 1/2	88.20—87.91	
20	16 1/2—17 1/4	85.65—85.29		16 1/4—16 1/2	85.84—85.65		14 1/4—14 1/4	87.34—87.15		13 1/2—13 1/2	88.30—88.20	
21	16 1/2—17 1/4	85.65—85.29		15 1/2—16 1/2	86.02—85.74		Sunday	Sunday		13 1/4—13 1/2	88.30—88.20	
22	16 1/2—16 1/2	86.02—85.65		15 1/2—16 1/2	86.58—86.11		14 1/4—14 1/4	87.59—87.15		12 1/2—13 1/2	88.59—88.20	
23	16 1/2—16 1/2	85.93—85.65		14 1/4—15 1/4	87.24—86.77		14 1/4—14 1/4	87.62—87.43		13—13 1/2	88.50—88.40	
24	16 1/2—16 1/2	85.93—85.65		Sunday	Sunday		Holiday	Holiday		Holiday	Holiday	
25	16 1/2—16 1/2	85.84—85.65		14 1/4—15 1/4	87.34—86.86		14 1/4—14 1/4	87.43—87.34		Sunday	Sunday	
26	Sunday	Sunday		15 1/2—15 1/2	86.86—86.49		14 1/4—14 1/4	87.43—87.34		12 1/2—13	88.79—88.50	
27	16 1/4—16 1/2	85.84—85.65		15 1/2—16 1/2	86.39—86.11		14 1/4—14 1/4	87.43—87.34		13—13	88.69—88.50	
28	16 1/2—17	85.65—85.47		16 1/2—16 1/2	86.11—85.74		Sunday	Sunday		13—13 1/4	88.50—88.30	
29	16 1/2—17 1/2	85.56—85.20		16 1/2—16 1/2	86.11—85.84		14 1/4—14 1/4	87.43—87.15		12 1/2—13 1/2	88.69—88.40	
30	17—17 1/2	85.47—85.38		15 1/2—16 1/2	86.30—85.84		14 1/4—15 1/2	87.24—86.49		12 1/2—13 1/2	88.59—88.40	
31	.....	.....		Sunday	Sunday		.....	.....		.....	.....	

TABLE 1—(CONTINUED).  
*Daily highest and lowest premium on gold and price of greenbacks in gold.*  
 1876.

	JANUARY			FEBRUARY			MARCH			APRIL		
	Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold	
1	Holiday	Holiday		13 — 13 1/4	88.50—88.30		14 1/4 — 14 1/4	87.62—87.53		13 1/4 — 13 1/4	88.20—87.92	
2	Sunday	Sunday		13 — 13 1/4	88.50—88.30		14 1/4 — 14 1/4	87.43—87.24		Sunday	Sunday	
3	12 1/2 — 13 1/4	88.69—88.40		13 — 13 1/4	88.50—88.50		14 1/4 — 15	87.24—86.96		13 — 13 1/4	88.50—88.01	
4	12 1/2 — 12 3/4	88.89—88.69		12 1/2 — 13	88.59—88.50		14 1/4 — 14 1/4	87.34—87.15		12 1/2 — 13 1/4	88.59—88.40	
5	12 1/2 — 12 3/4	88.99—88.79		12 1/2 — 12 3/4	88.69—88.59		Sunday	Sunday		12 1/2 — 13	88.79—88.50	
6	12 1/2 — 12 3/4	88.99—88.69		Sunday	Sunday		14 1/4 — 14 1/4	87.24—87.05		12 1/2 — 13	88.69—88.50	
7	12 1/2 — 13	88.79—88.50		12 1/2 — 12 3/4	88.69—88.59		14 1/4 — 14 1/4	87.53—87.24		12 1/2 — 13 1/4	88.69—88.30	
8	13 — 13 1/4	88.50—88.30		12 1/2 — 13	88.59—88.50		14 1/4 — 14 1/4	87.43—87.24		13 — 13 1/4	88.50—88.30	
9	Sunday	Sunday		12 1/2 — 12 3/4	88.59—88.50		14 1/4 — 14 1/4	87.34—87.24		Sunday	Sunday	
10	13 — 13 1/4	88.50—88.40		12 1/2 — 12 3/4	88.59—88.50		14 1/4 — 14 1/4	87.43—87.24		13 — 13 1/4	88.50—88.30	
11	12 1/2 — 13 1/4	88.69—88.40		12 1/2 — 12 3/4	88.59—88.50		14 1/4 — 14 1/4	87.24—87.24		12 1/2 — 13	88.59—88.50	
12	12 1/2 — 12 3/4	88.69—88.59		12 1/2 — 12 3/4	88.59—88.50		Sunday	Sunday		13 — 13 1/4	88.50—88.11	
13	12 1/2 — 12 3/4	88.89—88.69		13 — 13 1/4	88.50—88.40		14 1/4 — 14 1/4	87.24—87.15		13 1/4 — 13 1/4	88.30—88.20	
14	12 1/2 — 13	88.89—88.50		Sunday	Sunday		14 1/4 — 15	87.43—86.96		Holiday	Holiday	
15	12 1/2 — 13 1/4	88.59—88.40		13 1/4 — 13 1/4	88.40—88.20		14 1/4 — 14 1/4	87.43—87.24		13 1/4 — 13 1/4	88.30—88.11	
16	Sunday	Sunday		13 1/4 — 13 1/4	88.11—87.91		14 1/4 — 14 1/4	87.43—87.24		Sunday	Sunday	
17	13 — 13 1/4	88.50—88.40		13 1/4 — 13 1/4	88.11—87.82		14 1/4 — 14 1/4	87.43—87.24		12 1/2 — 13 1/4	88.59—88.30	
18	12 1/2 — 13 1/4	88.69—88.40		13 1/4 — 13 1/4	88.11—87.82		14 1/4 — 14 1/4	87.43—87.24		13 — 13 1/4	88.50—88.40	
19	12 1/2 — 12 3/4	88.69—88.59		13 1/4 — 13 1/4	88.01—87.91		Sunday	Sunday		13 — 13 1/4	88.50—88.40	
20	12 1/2 — 13 1/4	88.59—88.40		Sunday	Sunday		14 1/4 — 14 1/4	87.62—87.43		13 — 13 1/4	88.50—88.40	
21	12 1/2 — 13 1/4	88.59—88.40		13 1/4 — 14	87.91—87.72		13 1/4 — 14 1/4	87.82—87.62		12 1/2 — 12 3/4	88.69—88.59	
22	13 — 13	88.50—88.50		Holiday	Holiday		14 1/4 — 14 1/4	87.62—87.53		12 1/2 — 12 3/4	88.69—88.59	
23	Sunday	Sunday		14 1/4 — 14 1/4	87.62—87.62		14 1/4 — 14 1/4	87.62—87.53		Sunday	Sunday	
24	13 — 13 1/4	88.50—88.40		13 1/4 — 14	87.91—87.72		14 1/4 — 14 1/4	87.53—87.53		12 1/2 — 12 3/4	88.79—88.59	
25	12 1/2 — 13 1/4	88.59—88.40		13 1/4 — 14 1/4	87.91—87.72		14 — 14 1/4	87.72—87.43		12 1/2 — 12 3/4	88.89—88.79	
26	12 1/2 — 12 3/4	88.59—88.59		13 1/4 — 14	87.91—87.62		Sunday	Sunday		12 1/2 — 12 3/4	88.89—88.79	
27	12 1/2 — 13	88.59—88.50		Sunday	Sunday		13 1/4 — 14	87.82—87.72		12 1/2 — 12 3/4	88.89—88.69	
28	13 — 13 1/4	88.50—88.40		15 1/4 — 14 1/4	87.82—87.62		13 1/4 — 14 1/4	87.82—87.62		12 1/2 — 12 3/4	88.79—88.59	
29	13 — 13 1/4	88.50—88.40		14 — 14 1/4	87.72—87.62		13 1/4 — 14	87.91—87.72		12 1/2 — 12 3/4	88.79—88.69	
30	Sunday	Sunday		.....	.....		.....	.....		Sunday	Sunday	
31	13 — 13 1/4	88.50—88.40		.....	.....		13 1/4 — 13 1/4	87.91—87.82		.....	.....	





TABLE 1—(CONTINUED).  
*Daily highest and lowest premium on gold and price of greenbacks in gold.*

	SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	Premium on Gold	Price of Greenbacks in Gold		Premium on Gold	Price of Greenbacks in Gold		Premium on Gold	Price of Greenbacks in Gold		Premium on Gold	Price of Greenbacks in Gold	
1	9%—10½	91.01—90.81		Sunday	Sunday		9%—10	91.01—90.91	8½—9	92.17—91.74		
2	9%—9%	91.22—91.01		10—10%	90.91—90.81		9%—9%	91.12—91.01	8½—8%	92.17—91.85		
3	Sunday	Sunday		10—10	90.91—90.91		9%—9%	91.12—91.12	Sunday	Sunday		
4	9¼—9%	91.53—91.12		9%—10	91.12—90.91		9%—9%	91.12—91.01	8%—8%	92.27—91.95		
5	9½—9%	91.32—91.12		9½—9%	91.32—91.12		Sunday	Sunday	8%—8%	92.49—92.17		
6	9½—9%	91.32—91.22		9¼—9%	91.53—91.32		9%—9%	91.12—91.01	8—8%	92.59—92.38		
7	9½—10	91.32—90.91		9—9¼	91.74—91.53		Holiday	Holiday	7%—8%	92.92—92.49		
8	9%—10	91.01—90.91		Sunday	Sunday		9%—10%	91.32—90.81	7%—7%	93.35—92.92		
9	9%—10%	91.01—90.60		8%—9	91.85—91.74		9%—9%	91.32—91.01	7—7%	93.46—93.24		
10	Sunday	Sunday		8%—9	91.85—91.74		9%—9%	91.22—91.01	Sunday	Sunday		
11	10—10%	90.91—90.60		8%—9%	91.85—91.64		9¼—9%	91.53—91.22	7—7½	93.46—93.24		
12	9%—10	91.12—90.91		8%—9	91.85—91.74		Sunday	Sunday	7%—7%	93.35—92.92		
13	9%—10	91.12—90.91		9—9%	91.74—91.64		9%—9%	91.22—91.01	7%—7%	93.24—92.92		
14	10—10%	90.91—90.81		9%—9%	91.64—91.64		9%—9%	91.22—91.01	7%—7%	93.13—92.92		
15	10—10%	90.91—90.81		Sunday	Sunday		9%—9%	91.22—91.01	7%—7%	92.92—92.81		
16	10¼—10½	90.81—90.81		9%—9¼	91.64—91.53		9%—9%	91.32—91.01	7%—7%	92.92—92.70		
17	Sunday	Sunday		9¼—9%	91.53—91.01		9%—9%	91.12—91.01	Sunday	Sunday		
18	9%—10	91.01—90.91		10½—13¼	90.81—88.30		9%—9%	91.12—91.12	7%—8	92.81—92.59		
19	9%—10	91.01—90.91		10½—11¼	90.50—89.89		Sunday	Sunday	7%—7%	93.02—92.81		
20	10—10¼	90.91—90.70		10—10%	90.91—90.19		9%—9%	91.12—91.01	7¼—7%	93.24—93.02		
21	9%—10	91.12—90.91		9%—10%	91.01—90.81		9%—9%	91.32—91.12	7%—7%	93.13—93.02		
22	9%—10½	91.01—90.81		Sunday	Sunday		9%—9%	91.43—91.32	7¼—7%	93.24—93.13		
23	10—10¼	90.91—90.81		9%—10	91.22—90.91		9½—9%	91.32—91.22	7¼—7%	93.24—93.13		
24	Sunday	Sunday		9%—9%	91.12—91.01		9%—9%	91.43—91.32	Sunday	Sunday		
25	10—10¼	90.91—90.81		9%—9%	91.12—91.01		9—9%	91.74—91.43	Holiday	Holiday		
26	10—10½	90.91—90.81		9%—9%	91.12—91.12		Sunday	Sunday	7%—7%	93.35—93.13		
27	9%—10½	91.01—90.81		9%—9%	91.22—91.01		9%—9%	91.64—91.53	7—7%	93.46—93.35		
28	9%—10	91.01—90.91		9%—9%	91.12—91.01		8½—9	92.17—91.74	7—7%	93.46—93.35		
29	10½—10¼	90.81—90.70		Sunday	Sunday		8%—8½	92.49—92.17	7—7%	93.46—93.35		
30	10—10¼	90.91—90.70		9%—9%	91.12—91.12		Holiday	Holiday	7—7%	93.46—93.35		
31	.....	.....		9%—10%	91.01—90.81		.....	.....	Sunday	Sunday		

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	JANUARY			FEBRUARY			MARCH			APRIL		
	Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold	
1	Holiday			4%—5%	95.35—95.01		4%—4%	95.81—95.69		Sunday	95.35—95.24	
2	6%—7%	93.57—93.35		5%—5%	95.24—94.90		4%—4%	95.92—95.47		4%—5	95.47—95.35	
3	6%—7%	93.57—93.35		5%—5%	95.01—94.67		4%—4%	95.58—95.47		4%—4%	95.47—95.24	
4	6%—7	93.57—93.46		Sunday			Sunday			4%—5	95.47—95.24	
5	6%—6%	93.90—93.68		5%—5%	94.79—94.56		4%—5	95.58—95.24		4%—5	95.35—95.24	
6	6%—6%	94.12—93.90		5%—6%	94.56—94.23		4%—5	95.35—95.24		5—5	95.24—95.24	
7	Sunday			5%—5%	94.79—94.67		5%—5%	95.12—94.90		5—5	95.24—95.24	
8	6%—6%	94.23—94.01		5%—5%	94.67—94.56		5—5%	95.24—95.01		Sunday		
9	5%—6%	94.56—94.12		5%—5%	94.56—94.45		5—5%	95.24—95.01		5—5%	95.24—95.01	
10	5%—6%	94.67—94.12		5%—6	94.67—94.34		4%—5%	95.47—95.12		5%—5%	95.12—94.79	
11	5%—6	94.45—94.34		Sunday			Sunday			5%—5%	94.79—94.45	
12	6—6%	94.34—94.01		5%—5%	94.79—94.56		4%—4%	95.69—95.47		5%—5%	94.56—94.23	
13	6%—6%	94.01—93.79		5%—5%	94.79—94.67		4%—4%	95.58—95.47		5%—6%	94.45—94.23	
14	Sunday			5%—5%	94.79—94.67		4%—4%	95.69—95.58		6%—6%	94.01—93.57	
15	6%—6%	93.90—93.68		5%—5%	94.67—94.56		4%—4%	95.58—95.47		Sunday		
16	6%—7	93.79—93.46		5%—5%	94.56—94.45		4%—4%	95.58—95.35		7—7%	93.46—93.81	
17	6%—6%	93.79—93.68		5%—5%	94.56—94.45		4%—4%	95.58—95.47		6%—7%	93.57—93.70	
18	6%—6%	94.12—93.90		Sunday			Sunday			6%—6%	93.90—93.57	
19	6%—6%	94.01—93.90		5%—5%	94.79—94.45		4%—4%	95.58—95.47		6%—6%	94.01—93.90	
20	6%—6%	93.90—93.79		5%—5%	94.79—94.67		4%—4%	95.58—95.47		6%—6%	94.01—93.90	
21	Sunday			4%—5%	95.35—94.90		4%—4%	95.47—95.35		6%—7	93.79—93.46	
22	6%—6%	94.01—93.90		Holiday			4%—5	95.47—95.24		Sunday		
23	6%—6%	94.12—94.01		4%—5%	95.47—95.01		4%—4%	95.47—95.35		7—7%	93.46—93.02	
24	6—6%	94.34—94.12		4%—5%	95.35—95.12		4%—4%	95.47—95.35		7%—7%	93.35—92.70	
25	6—6%	94.34—94.23		Sunday			Sunday			7—7%	93.46—93.02	
26	6%—6%	94.23—94.01		4%—5%	95.35—94.90		4%—4%	95.47—95.35		6%—7%	93.79—93.35	
27	6%—6%	94.23—94.12		4%—5	95.47—95.24		4%—4%	95.47—95.35		6%—7%	93.57—93.35	
28	Sunday			4%—4%	95.58—95.35		4%—5	95.35—95.24		6%—7%	93.57—93.35	
29	5%—6	94.67—94.34					Holiday			Sunday		
30	5%—5%	94.79—94.67					Holiday			6%—6%	93.79—93.57	
31	5%—5%	95.01—94.79					5—5%	95.24—95.12				

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	MAY			JUNE			JULY			AUGUST		
	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold
1	6%—	93.68—93.57	5%—	94.45—94.01	5%—	94.67—94.34	5%—	95.01—94.79	5%—	95.01—94.90	5%—	95.01—94.90
2	6%—	93.57—93.35	5%—	94.67—94.34	5%—	94.67—94.34	5%—	95.01—94.90	5%—	95.01—94.90	5%—	95.01—94.90
3	6%—	93.57—93.35	Sunday	Sunday	Sunday	Sunday	Sunday	Sunday	Sunday	Sunday	Sunday	Sunday
4	6%—	93.68—93.57	5%—	94.67—94.45	5%—	94.67—94.45	5%—	95.01—94.90	5%—	95.01—94.90	5%—	95.01—94.90
5	6%—	93.57—93.35	5%—	94.56—94.45	5%—	94.56—94.45	5%—	95.01—94.90	5%—	95.01—94.90	5%—	95.01—94.90
6	Sunday	Sunday	5%—	94.67—94.45	5%—	94.67—94.45	5%—	95.01—94.90	5%—	95.01—94.90	5%—	95.01—94.90
7	7%—	93.35—93.13	5%—	94.67—94.45	5%—	94.67—94.45	5%—	95.01—94.90	5%—	95.01—94.90	5%—	95.01—94.90
8	6%—	93.57—93.35	5%—	94.79—94.67	5%—	94.79—94.67	5%—	95.01—94.90	5%—	95.01—94.90	5%—	95.01—94.90
9	6%—	93.57—93.35	5%—	95.01—94.90	5%—	95.01—94.90	5%—	95.01—94.90	5%—	95.01—94.90	5%—	95.01—94.90
10	7 —	93.46—93.35	5%—	95.12—94.90	5%—	95.12—94.90	5%—	95.01—94.90	5%—	95.01—94.90	5%—	95.01—94.90
11	7 —	93.46—93.13	Sunday	Sunday	4%—	95.35—95.24	5%—	95.01—94.90	5%—	95.01—94.90	5%—	95.01—94.90
12	7 —	93.46—93.24	4%—	95.35—95.24	4%—	95.35—95.24	5%—	95.01—94.90	5%—	95.01—94.90	5%—	95.01—94.90
13	Sunday	Sunday	4%—	95.47—95.12	5%—	95.47—95.12	5%—	95.01—94.90	5%—	95.01—94.90	5%—	95.01—94.90
14	6%—	93.57—93.35	5 —	95.24—95.12	5 —	95.24—95.12	5%—	95.01—94.90	5%—	95.01—94.90	5%—	95.01—94.90
15	7 —	93.46—93.35	5 —	95.24—95.12	5 —	95.24—95.12	5%—	95.01—94.90	5%—	95.01—94.90	5%—	95.01—94.90
16	7 —	93.46—93.35	5 —	95.24—95.12	5 —	95.24—95.12	5%—	95.01—94.90	5%—	95.01—94.90	5%—	95.01—94.90
17	7 —	93.46—93.35	Sunday	Sunday	5 —	95.24—95.12	5%—	95.01—94.90	5%—	95.01—94.90	5%—	95.01—94.90
18	6%—	93.57—93.46	5%—	95.12—94.90	5%—	95.12—94.90	5%—	95.01—94.90	5%—	95.01—94.90	5%—	95.01—94.90
19	6%—	93.79—93.57	5%—	95.01—94.79	5%—	95.01—94.79	5%—	95.01—94.90	5%—	95.01—94.90	5%—	95.01—94.90
20	Sunday	Sunday	5%—	94.90—94.80	5%—	94.90—94.80	5%—	95.12—94.90	5%—	95.12—94.90	5%—	95.12—94.90
21	6%—	93.68—93.46	5%—	95.01—94.79	5%—	95.01—94.79	5%—	95.12—94.90	5%—	95.12—94.90	5%—	95.12—94.90
22	6%—	93.57—93.57	5%—	94.67—94.45	5%—	94.67—94.45	5%—	95.01—94.79	5%—	95.01—94.79	5%—	95.01—94.79
23	6%—	93.57—93.46	5%—	94.90—94.87	5%—	94.90—94.87	5%—	95.12—94.90	5%—	95.12—94.90	5%—	95.12—94.90
24	6%—	93.57—93.46	5%—	94.90—94.87	5%—	94.90—94.87	5%—	95.12—94.90	5%—	95.12—94.90	5%—	95.12—94.90
25	7 —	93.46—93.46	Sunday	Sunday	5%—	94.90—94.87	5%—	95.01—94.79	5%—	95.01—94.79	5%—	95.01—94.79
26	6%—	93.68—93.46	5%—	95.01—94.79	5%—	95.01—94.79	5%—	95.12—94.90	5%—	95.12—94.90	5%—	95.12—94.90
27	Sunday	Sunday	5%—	95.12—94.90	5%—	95.12—94.90	5%—	95.01—94.79	5%—	95.01—94.79	5%—	95.01—94.79
28	6½ —	93.90—93.57	5 —	95.24—95.12	5 —	95.24—95.12	5%—	95.01—94.79	5%—	95.01—94.79	5%—	95.01—94.79
29	6%—	93.79—93.68	5%—	95.12—95.01	5%—	95.12—95.01	5%—	95.01—94.79	5%—	95.01—94.79	5%—	95.01—94.79
30	Holiday	Holiday	5%—	95.01—94.90	5%—	95.01—94.90	5%—	95.01—94.67	5%—	95.01—94.67	5%—	95.01—94.67
31	6½ —	94.12—93.90	.....	.....	.....	.....	5%—	95.01—94.90	5%—	95.01—94.90	5%—	95.01—94.90

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.  
1877.

	SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold
1	3 3/4—4	96.27—96.15	3—3 3/4	97.09—96.97	2 1/2—2 3/4	97.32—97.21	2 1/2—2 3/4	97.32—97.21	2 1/2—2 3/4	97.21—97.21	2 1/2—2 3/4	97.21—97.21
2	Sunday	Sunday	2 1/2—3	97.21—97.09	2 1/2—2 3/4	97.44—97.32	2 1/2—2 3/4	97.44—97.32	Sunday	Sunday	2 1/2—2 3/4	97.32—97.21
3	3 3/4—3 3/4	96.50—96.27	3—3	97.09—97.09	2 1/2—2 3/4	97.44—97.44	2 1/2—2 3/4	97.44—97.44	2 1/2—2 3/4	97.44—97.32	2 1/2—2 3/4	97.44—97.32
4	3 3/4—3 3/4	96.74—96.62	2 3/4—3	97.32—97.09	Sunday	Sunday	2 1/2—2 3/4	97.44—97.21	2 1/2—2 3/4	97.56—97.32	2 1/2—2 3/4	97.56—97.32
5	3 3/4—3 3/4	96.85—96.74	2 3/4—2 3/4	97.32—97.21	2 1/2—2 3/4	97.44—97.21	2 1/2—2 3/4	97.44—97.21	2 1/2—2 3/4	97.56—97.44	2 1/2—2 3/4	97.56—97.44
6	3 3/4—3 3/4	96.85—96.62	2 3/4—2 3/4	97.56—97.32	Holiday	Holiday	2 1/2—2 3/4	97.32—97.09	2 1/2—2 3/4	97.44—97.21	2 1/2—2 3/4	97.44—97.21
7	3 3/4—3 3/4	96.62—96.50	Sunday	Sunday	2 1/2—3	97.32—97.21	2 1/2—2 3/4	97.32—97.21	2 1/2—2 3/4	97.32—97.32	2 1/2—2 3/4	97.32—97.32
8	3 3/4—3 3/4	96.74—96.50	2 1/2—2 3/4	97.56—97.44	2 1/2—2 3/4	97.21—97.21	2 1/2—2 3/4	97.21—97.21	2 1/2—2 3/4	97.32—97.32	2 1/2—2 3/4	97.32—97.32
9	Sunday	Sunday	2 1/2—2 3/4	97.56—97.32	2 1/2—2 3/4	97.32—97.21	2 1/2—2 3/4	97.32—97.21	Sunday	Sunday	2 1/2—2 3/4	97.32—97.32
10	3 3/4—3 3/4	96.74—96.62	2 3/4—2 3/4	97.32—97.21	2 1/2—2 3/4	97.44—97.32	2 1/2—2 3/4	97.44—97.32	2 1/2—2 3/4	97.32—96.97	2 1/2—2 3/4	97.32—96.97
11	3 3/4—3 3/4	96.74—96.62	2 3/4—3 3/4	97.21—96.97	Sunday	Sunday	2 1/2—2 3/4	97.44—97.32	3—3 3/4	97.09—96.97	3—3 3/4	97.09—96.97
12	3 3/4—3 3/4	96.85—96.74	2 3/4—3 3/4	97.21—96.97	2 1/2—2 3/4	97.32—97.21	2 1/2—2 3/4	97.32—97.21	3—3 3/4	97.09—96.85	3—3 3/4	97.09—96.85
13	3 3/4—3 3/4	96.85—96.85	2 3/4—3 3/4	97.21—96.85	2 1/2—2 3/4	97.44—97.44	2 1/2—2 3/4	97.44—97.44	3 3/4—3 3/4	97.21—96.97	3 3/4—3 3/4	97.21—96.97
14	3 3/4—3 3/4	96.85—96.74	Sunday	Sunday	2 1/2—2 3/4	97.56—97.44	2 1/2—2 3/4	97.56—97.44	2 1/2—2 3/4	97.44—97.21	2 1/2—2 3/4	97.44—97.21
15	3 3/4—3 3/4	96.97—96.85	3 3/4—3 3/4	96.97—96.74	2 1/2—2 3/4	97.32—97.21	2 1/2—2 3/4	97.32—97.21	Sunday	Sunday	2 1/2—2 3/4	97.32—97.21
16	Sunday	Sunday	2 3/4—3 3/4	97.21—96.97	2 1/2—2 3/4	97.44—97.32	2 1/2—2 3/4	97.44—97.32	2 1/2—2 3/4	97.44—97.32	2 1/2—2 3/4	97.44—97.32
17	2 1/2—3 3/4	97.21—96.97	2 1/2—2 3/4	97.32—97.21	2 1/2—2 3/4	97.44—97.32	2 1/2—2 3/4	97.44—97.32	2 1/2—2 3/4	97.32—97.21	2 1/2—2 3/4	97.32—97.21
18	2 1/2—3 3/4	97.21—96.97	2 1/2—2 3/4	97.44—97.32	Sunday	Sunday	2 1/2—2 3/4	97.32—97.32	2 1/2—2 3/4	97.32—97.09	2 1/2—2 3/4	97.32—97.09
19	3—3 3/4	97.09—96.85	2 3/4—2 3/4	97.32—97.21	2 1/2—2 3/4	97.32—97.21	2 1/2—2 3/4	97.32—97.21	2 1/2—2 3/4	97.32—97.21	2 1/2—2 3/4	97.32—97.21
20	3 3/4—3 3/4	96.97—96.85	2 3/4—2 3/4	97.32—97.21	2 1/2—2 3/4	97.21—96.74	2 1/2—2 3/4	97.21—96.74	2 1/2—2 3/4	97.44—97.32	2 1/2—2 3/4	97.44—97.32
21	3 3/4—3 3/4	96.97—96.97	Sunday	Sunday	2 1/2—2 3/4	97.21—97.09	2 1/2—2 3/4	97.21—97.09	2 1/2—2 3/4	97.44—97.32	2 1/2—2 3/4	97.44—97.32
22	3—3 3/4	97.09—96.97	2 3/4—3	97.21—97.09	2 1/2—2 3/4	97.21—97.09	2 1/2—2 3/4	97.21—97.09	Sunday	Sunday	2 1/2—2 3/4	97.32—97.32
23	Sunday	Sunday	2 3/4—2 3/4	97.32—97.21	2 1/2—2 3/4	97.21—97.21	2 1/2—2 3/4	97.21—97.21	2 1/2—2 3/4	97.32—97.32	2 1/2—2 3/4	97.32—97.32
24	3 3/4—3 3/4	96.97—96.85	2 3/4—2 3/4	97.32—97.32	Sunday	Sunday	2 1/2—2 3/4	97.21—97.09	Christmas	Christmas	2 1/2—2 3/4	97.32—97.21
25	3 3/4—3 3/4	96.97—96.85	2 3/4—2 3/4	97.32—97.32	2 1/2—3	97.21—97.09	2 1/2—3	97.21—97.09	2 1/2—2 3/4	97.44—97.21	2 1/2—2 3/4	97.44—97.21
26	3 3/4—3 3/4	96.97—96.85	2 3/4—2 3/4	97.32—97.32	2 1/2—3	97.21—97.09	2 1/2—3	97.21—97.09	2 1/2—2 3/4	97.44—97.21	2 1/2—2 3/4	97.44—97.21
27	3—3 3/4	97.09—96.97	2 3/4—2 3/4	97.44—97.32	2 1/2—3	97.32—97.09	2 1/2—3	97.32—97.09	2 1/2—2 3/4	97.44—97.21	2 1/2—2 3/4	97.44—97.21
28	3—3	97.09—97.09	Sunday	Sunday	2 1/2—3	Holiday	2 1/2—3	Holiday	2 1/2—2 3/4	97.44—97.32	2 1/2—2 3/4	97.44—97.32
29	3—3 3/4	97.09—96.97	2 3/4—2 3/4	97.44—97.32	Holiday	Holiday	2 1/2—3	Holiday	2 1/2—2 3/4	97.44—97.32	2 1/2—2 3/4	97.44—97.32
30	Sunday	Sunday	2 3/4—2 3/4	97.44—97.32	2 1/2—3	97.32—97.09	2 1/2—3	97.32—97.09	Sunday	Sunday	2 1/2—2 3/4	97.32—97.21
31	.....	.....	2 3/4—2 3/4	97.44—97.21	.....	.....	.....	.....	2 1/2—2 3/4	97.32—97.21	2 1/2—2 3/4	97.32—97.21

TABLE 1—(CONTINUED).  
*Daily highest and lowest premium on gold and price of greenbacks in gold.*

	JANUARY			FEBRUARY			MARCH			APRIL		
	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold
1	Holiday	Holiday	1%—2	98.16—98.04	1%—2	98.16—98.04	1%—2	98.16—98.04	1%—1½	98.89—98.77	1%—1½	98.89—98.77
2	2%—2½	97.32—97.21	1%—2	98.16—98.04	1%—2	98.16—98.04	1%—1½	98.40—98.28	1%—1½	98.89—98.77	1%—1½	98.89—98.77
3	2%—2½	97.44—97.32	Sunday	Sunday	Sunday	Sunday	Sunday	Sunday	1%—1	98.89—98.89	1%—1	98.89—98.89
4	2%—2½	97.44—97.32	2—2½	98.04—97.92	2—2½	98.04—97.92	1%—1½	98.64—98.40	1—1	99.01—99.01	1—1	99.01—99.01
5	2%—2½	97.44—97.32	2—2½	98.04—97.92	2—2½	98.04—97.92	1%—1½	98.77—98.52	%—1	99.13—99.01	%—1	99.13—99.01
6	Sunday	Sunday	1%—2	98.16—98.04	1%—2	98.16—98.04	1%—1½	98.77—98.64	%—1	99.13—99.13	%—1	99.13—99.13
7	2%—2½	97.44—97.44	2—2½	98.04—97.92	2—2½	98.04—97.92	1%—1½	98.77—98.64	Sunday	Sunday	Sunday	Sunday
8	2½—2%—2½	97.56—97.44	2—2½	98.04—97.92	2—2½	98.04—97.92	1%—1½	98.77—98.64	%—1	99.13—99.13	%—1	99.13—99.13
9	2½—2%—2½	97.56—97.44	1%—2	98.16—98.04	1%—2	98.16—98.04	1—1½	99.01—98.77	%—1	99.26—99.13	%—1	99.26—99.13
10	2½—2%—2½	97.56—97.44	Sunday	Sunday	Sunday	Sunday	Sunday	Sunday	%—1	99.38—99.26	%—1	99.38—99.26
11	2%—2½	97.68—97.56	1%—2	98.16—98.04	1%—2	98.16—98.04	%—1	99.26—99.01	%—1	99.38—99.26	%—1	99.38—99.26
12	2%—2½	97.92—97.68	2—2½	98.04—98.04	2—2½	98.04—98.04	%—1	99.13—99.13	%—1	99.50—99.38	%—1	99.50—99.38
13	Sunday	Sunday	2—2½	98.04—97.80	2—2½	98.04—97.80	%—1	99.13—98.89	%—1	99.75—99.50	%—1	99.75—99.50
14	2%—2½	97.92—97.80	2½—2%—2½	97.80—97.68	2½—2%—2½	97.80—97.68	1—1½	99.01—98.89	Sunday	Sunday	Sunday	Sunday
15	1%—2%—2½	98.16—97.92	2½—2%—2½	97.80—97.68	2½—2%—2½	97.80—97.68	1—1½	99.01—98.77	%—1	99.88—99.63	%—1	99.88—99.63
16	1%—2%—2½	98.16—97.92	2—2%—2½	98.04—97.68	2—2%—2½	98.04—97.68	1%—1½	98.77—98.64	%—1	99.75—99.63	%—1	99.75—99.63
17	2—2%—2½	98.04—97.92	Sunday	Sunday	Sunday	Sunday	Sunday	Sunday	%—1	99.75—99.63	%—1	99.75—99.63
18	1%—2%—2½	98.16—98.04	1%—2	98.28—98.04	1%—2	98.28—98.04	1%—1½	98.77—98.64	%—1	99.63—99.63	%—1	99.63—99.63
19	1½—1%—2%—2½	98.52—98.16	1%—1%—2%—2½	98.40—98.28	1%—1%—2%—2½	98.40—98.28	1%—1½	98.89—98.77	Good Friday	Good Friday	Good Friday	Good Friday
20	Sunday	Sunday	1%—1%—2%—2½	98.28—98.16	1%—1%—2%—2½	98.28—98.16	1%—1½	98.89—98.77	%—1	99.63—99.50	%—1	99.63—99.50
21	1½—1%—2%—2½	98.52—98.28	1%—1%—2%—2½	98.16—98.04	1%—1%—2%—2½	98.16—98.04	1—1½	99.01—98.89	Sunday	Sunday	Sunday	Sunday
22	1½—1%—2%—2½	98.52—98.40	Holiday	Holiday	Holiday	Holiday	1—1½	99.01—98.89	%—1	99.50—99.50	%—1	99.50—99.50
23	1½—1%—2%—2½	98.77—98.52	2—2%—2½	98.04—97.92	2—2%—2½	98.04—97.92	1%—1½	98.89—98.89	%—1	99.50—99.38	%—1	99.50—99.38
24	1%—1%—2%—2½	98.64—98.52	1%—1%—2%—2½	98.16—98.04	1%—1%—2%—2½	98.16—98.04	1%—1½	99.01—98.89	%—1	99.50—99.38	%—1	99.50—99.38
25	1%—1%—2%—2½	98.64—98.52	1%—1%—2%—2½	98.16—98.04	1%—1%—2%—2½	98.16—98.04	1%—1½	99.01—98.89	%—1	99.50—99.38	%—1	99.50—99.38
26	1%—1%—2%—2½	98.77—98.52	1%—1%—2%—2½	98.28—98.16	1%—1%—2%—2½	98.28—98.16	1%—1½	99.01—98.89	%—1	99.50—99.38	%—1	99.50—99.38
27	Sunday	Sunday	1%—1%—2%—2½	98.28—98.16	1%—1%—2%—2½	98.28—98.16	1%—1½	99.01—98.89	Sunday	Sunday	Sunday	Sunday
28	1%—1%—2%—2½	98.64—98.16	1%—1%—2%—2½	98.16—98.04	1%—1%—2%—2½	98.16—98.04	1%—1½	99.01—98.89	%—1	99.63—99.63	%—1	99.63—99.63
29	1%—1%—2%—2½	98.16—97.80	1%—1%—2%—2½	98.16—98.04	1%—1%—2%—2½	98.16—98.04	1%—1½	99.01—98.89	%—1	99.63—99.63	%—1	99.63—99.63
30	2%—2%—2%—2½	97.92—97.56	2%—2%—2%—2½	98.28—98.16	2%—2%—2%—2½	98.28—98.16	1%—1½	99.01—98.89	%—1	99.63—99.63	%—1	99.63—99.63
31	1%—2%—2%—2½	98.16—97.92	1%—2%—2%—2½	98.16—98.04	1%—2%—2%—2½	98.16—98.04	Sunday	Sunday	%—1	99.63—99.63	%—1	99.63—99.63

TABLE 1—(CONTINUED).  
Daily highest and lowest premium on gold and price of greenbacks in gold.

	MAY			JUNE			JULY			AUGUST		
	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold	Premium on Gold	Price of Green- backs in Gold
1	%—	99.63—99.63	%— 1	%— 1	99.13—99.01	%—	%	99.38—99.26	%—	99.50—99.50	%—	99.50—99.50
2	%—	99.63—99.63	Sunday	Sunday	Sunday	%—	%	99.38—99.26	%—	99.50—99.50	%—	99.50—99.50
3	%—	99.63—99.63	%—	%	99.26—99.13	%—	%	99.38—99.26	%—	99.50—99.50	%—	99.50—99.50
4	%—	99.63—99.63	%—	%	99.26—99.13	%—	%	Holiday	Sunday	Sunday	%—	99.50—99.50
5	Sunday	Sunday	%—	%	99.13—99.13	%—	%	99.38—99.38	%—	99.50—99.50	%—	99.50—99.50
6	%— 1	99.63—99.50	%— 1	%	99.13—99.01	%—	%	99.50—99.38	%—	99.50—99.50	%—	99.50—99.50
7	%— 1	99.50—99.50	1	1	99.01—99.01	%—	%	Sunday	%—	99.50—99.50	%—	99.50—99.50
8	%— 1	99.50—99.50	%— 1	%	99.13—99.01	%—	%	99.63—99.50	%—	99.50—99.50	%—	99.50—99.50
9	%— 1	99.50—99.50	%— 1	%	Sunday	%—	%	99.50—99.50	%—	99.50—99.50	%—	99.50—99.50
10	%— 1	99.50—99.50	%— 1	%	99.13—99.01	%—	%	99.50—99.50	%—	99.50—99.50	%—	99.50—99.50
11	%— 1	99.50—99.50	%— 1	%	99.13—99.01	%—	%	99.50—99.50	%—	99.50—99.50	%—	99.50—99.50
12	Sunday	Sunday	1	1	99.01—99.01	%—	%	99.50—99.50	Sunday	Sunday	%—	99.50—99.50
13	%—	99.50—99.38	%— 1	%	99.13—99.01	%—	%	99.50—99.50	%—	99.50—99.50	%—	99.50—99.50
14	%—	99.38—99.26	%—	%	99.26—99.13	%—	%	Sunday	%—	99.50—99.38	%—	99.50—99.38
15	%—	99.26—99.13	%—	%	99.26—99.13	%—	%	99.50—99.50	%—	99.38—99.26	%—	99.38—99.26
16	%—	99.26—99.13	%—	%	99.26—99.13	%—	%	99.50—99.38	%—	99.38—99.38	%—	99.38—99.38
17	%—	99.26—99.26	%—	%	99.26—99.26	%—	%	99.50—99.38	%—	99.50—99.38	%—	99.50—99.38
18	%—	99.26—99.13	%—	%	99.26—99.13	%—	%	99.50—99.38	%—	99.50—99.38	%—	99.50—99.38
19	Sunday	Sunday	%—	%	Sunday	%—	%	99.50—99.38	Sunday	Sunday	%—	99.50—99.38
20	%—	99.26—99.13	%—	%	99.38—99.26	%—	%	99.50—99.38	%—	99.50—99.38	%—	99.50—99.38
21	%—	99.26—99.13	%—	%	99.38—99.26	%—	%	99.50—99.38	%—	99.50—99.38	%—	99.50—99.38
22	%—	99.26—99.26	%—	%	99.38—99.26	%—	%	99.50—99.38	%—	99.50—99.38	%—	99.50—99.38
23	%—	99.26—99.13	%—	%	99.38—99.38	%—	%	99.50—99.38	%—	99.50—99.38	%—	99.50—99.38
24	%— 1	99.13—99.01	%—	%	99.38—99.38	%—	%	99.50—99.38	%—	99.50—99.38	%—	99.50—99.38
25	%— 1	99.13—99.01	%—	%	Sunday	%—	%	99.50—99.50	%—	99.50—99.50	%—	99.50—99.50
26	Sunday	Sunday	%—	%	99.38—99.38	%—	%	99.50—99.38	Sunday	Sunday	%—	99.50—99.50
27	%— 1	99.13—99.01	%—	%	99.38—99.38	%—	%	99.50—99.38	%—	99.50—99.50	%—	99.50—99.50
28	1	99.01—98.77	%—	%	99.38—99.26	%—	%	99.50—99.50	%—	99.50—99.50	%—	99.50—99.50
29	1	99.01—98.89	%—	%	99.38—99.26	%—	%	Sunday	%—	99.50—99.50	%—	99.50—99.50
30	Holiday	Holiday	%—	%	99.38—99.26	%—	%	Sunday	%—	99.50—99.50	%—	99.50—99.38
31	1	99.01—98.89	%—	%	Sunday	%—	%	99.50—99.50	%—	99.50—99.50	%—	99.50—99.38

TABLE 1—(CONCLUDED).  
*Daily highest and lowest premiums on gold and prices of greenbacks in gold.*  
 1878.

	SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold		Premium on Gold	Price of Green- backs in Gold	
1	Sunday	99.63—99.63	%	%	99.63—99.63	%	%	99.75—99.83	Sunday	%	99.75—99.83	Sunday
2	%	99.50—99.50	%	%	99.63—99.63	%	%	99.75—99.75	%	%	99.75—99.75	%
3	%	99.50—99.50	%	%	99.63—99.50	%	Sunday	Sunday	%	%	99.75—99.75	%
4	%	99.63—99.50	%	%	99.63—99.50	%	%	99.75—99.75	%	%	99.75—99.75	%
5	%	99.63—99.63	%	%	99.50—99.50	%	Holiday	Holiday	%	%	99.83—99.75	%
6	%	99.75—99.63	%	%	Sunday	%	%	99.75—99.75	%	%	99.83—99.75	%
7	%	99.63—99.63	%	%	99.38—99.36	%	%	99.83—99.75	%	%	99.83—99.75	%
8	Sunday	Sunday	%	%	99.38—99.36	%	%	99.83—99.75	Sunday	%	99.83—99.75	Sunday
9	%	99.75—99.75	%	%	99.38—99.36	%	%	99.83—99.83	%	%	99.83—99.75	%
10	%	99.83—99.75	%	%	99.38—99.36	%	%	99.83—99.83	%	%	99.83—99.83	%
11	%	99.83—99.75	%	%	99.38—99.36	%	%	99.83—99.83	%	%	99.83—99.83	%
12	%	99.75—99.75	%	1	99.36—99.36	%	%	99.83—99.83	%	%	99.83—99.83	%
13	%	99.75—99.75	%	1	99.01—99.64	%	%	99.83—99.83	%	%	99.83—99.83	%
14	%	99.63—99.63	%	Sunday	Sunday	%	%	99.83—99.83	Sunday	%	99.83—99.83	Sunday
15	%	Sunday	%	%	99.36—99.64	%	%	99.83—99.83	%	%	99.83—99.83	%
16	%	99.63—99.63	%	%	99.50—99.38	%	%	99.83—99.83	%	%	100.00—99.83	%
17	%	99.63—99.63	%	%	99.50—99.38	%	Sunday	Sunday	0	0	100.00—100.00	0
18	%	99.63—99.63	%	%	99.50—99.38	%	%	99.83—99.83	0	0	100.00—100.00	0
19	%	99.63—99.63	%	%	99.63—99.50	%	%	99.83—99.83	0	0	100.00—100.00	0
20	%	99.50—99.50	%	Sunday	Sunday	%	%	99.83—99.83	0	0	100.00—100.00	0
21	%	99.63—99.50	%	%	99.50—99.38	%	%	99.83—99.83	Sunday	0	100.00—100.00	Sunday
22	Sunday	Sunday	%	%	99.50—99.38	%	%	99.83—99.83	0	0	100.00—100.00	0
23	%	99.63—99.50	%	%	99.50—99.38	%	%	99.83—99.83	0	0	100.00—100.00	0
24	%	99.63—99.63	%	%	99.63—99.50	%	Sunday	Sunday	0	0	100.00—100.00	0
25	%	99.63—99.63	%	%	99.63—99.50	%	%	99.83—99.75	Christmas	0	100.00—100.00	Christmas
26	%	99.63—99.63	%	%	99.63—99.63	%	%	99.83—99.75	0	0	100.00—100.00	0
27	%	99.63—99.63	%	%	99.63—99.63	%	%	99.83—99.75	0	0	100.00—100.00	0
28	%	99.63—99.63	%	Sunday	Sunday	%	Thanksgiving	Thanksgiving	0	0	100.00—100.00	0
29	Sunday	Sunday	%	%	99.63—99.63	%	%	99.83—99.75	Sunday	0	100.00—100.00	Sunday
30	%	99.63—99.63	%	%	99.75—99.63	%	%	99.83—99.50	0	0	100.00—100.00	0
31			%	%	99.75—99.75	%	.....	.....	0	0	100.00—100.00	0

TABLE 2.

*Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.*

NOTE.—The following table gives in detail the quarterly series of relative prices at wholesale used in Chapter II. The arrangement of the series is alphabetical. The references are to the pages of the *Aldrich Report*, Parts 2 and 4, where the original series of actual prices may be found. The series for wool, however, are based upon Mauger and Avery's table, published in the *Statistical Abstract of the United States*, 1905, p. 538. The "base prices" are the actual prices in January, 1860 in most cases. But in the case of lumber and a few other articles they are actual prices in July or October, 1860, and in the case of agricultural products they are averages of the actual prices for the months of 1860 covered by the data. By noticing what month in 1860 has a relative price of 100 one can distinguish these cases. When the sum of the relative prices for the four quarters of 1860 is 400, the "base price" is the average of the actual prices. The asterisks at the heads of certain columns show what series were grouped to form series of average relative prices. The series so marked were not used in compiling the tables of the text; but the series of average relative prices made from them were used. For further explanations see Chapter II, Section i.



TABLE 2.

*Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.*

Commodity	Alcohol	Alum	Barley		Beans	Bichromate of Potash	Blue Vitriol	Boston Crackers			Brick
Market			N. Y.	Chicago	Av.			No. 1	No. 2	Extra grade	common domestic bldg.
Refer.	245	246	2	3	65	247	249	67	68	69	221
Unit	gal.	lb.	bu.	bu.	bu.	lb.	lb.	lb.	lb.	lb.	M.
Base price	\$ .54	\$ .0225	\$ .7983	\$ .59 1/4	\$ 1.875	\$ .21	\$ .095	\$ .07	\$ .085	\$ .12	\$ 4.375
1860			*	*				*	*	*	
Jan.	100	100	103	101	102	100	100	100	100	100	114
Apr.	85	106	100	117	109	93	95	100	100	100	97
July	82	100	—	98	93	93	100	100	100	100	100
Oct.	85	100	96	89	93	120	100	95	100	100	103
1861											
Jan.	74	94	90	64	77	100	100	95	107	118	114
Apr.	67	94	88	71	80	103	100	87	107	124	116
July	63	94	94	34	64	120	100	89	100	129	117
Oct.	74	94	81	59	70	120	95	95	100	129	115
1862											
Jan.	74	94	94	59	77	137	100	95	107	135	117
Apr.	89	100	113	80	97	117	95	95	107	141	121
July	107	100	—	101	101	178	98	95	100	147	121
Oct.	122	133	75	131	103	153	95	100	100	147	121
1863											
Jan.	143	156	166	161	164	146	105	121	107	165	142
Apr.	174	167	191	186	189	153	114	158	107	153	133
July	161	167	—	195	195	180	114	184	107	147	133
Oct.	193	133	163	181	172	180	107	142	107	147	129
1864											
Jan.	343	161	178	205	192	161	114	142	186	153	133
Apr.	380	161	165	233	199	147	119	168	186	159	137
July	657	200	—	233	233	147	133	190	186	159	137
Oct.	639	267	232	248	240	147	133	221	186	159	137
1865											
Jan.	815	256	257	220	239	173	143	192	186	118	117
Apr.	796	222	202	165	184	143	133	179	186	129	117
July	759	189	163	101	132	107	105	147	157	129	117
Oct.	833	183	160	129	145	120	105	142	157	118	117
1866											
Jan.	824	200	185	110	123	153	114	158	171	106	100
Apr.	833	189	153	89	121	127	119	126	171	106	100
July	815	172	135	76	106	153	117	147	171	106	100
Oct.	880	178	175	140	158	180	105	132	171	106	100
1867											
Jan.	861	144	119	118	119	207	95	126	186	106	100
Apr.	648	167	130	144	137	193	95	105	186	106	100
July	870	156	143	106	125	233	86	105	186	106	100
Oct.	741	161	185	189	187	220	93	97	186	106	100
1868											
Jan.	787	161	244	296	270	223	90	103	171	106	100
Apr.	787	156	279	398	339	293	88	100	171	106	100
July	435	156	266	254	260	360	88	105	157	106	100
Oct.	500	156	241	296	269	233	88	105	157	106	100
1869											
Jan.	361	150	266	266	266	227	82	103	143	106	100
Apr.	343	144	254	271	263	200	81	137	143	106	100
July	361	167	194	245	220	180	90	147	143	106	100
Oct.	444	139	172	203	188	180	68	137	143	106	100

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860–1880.*

Commodity	Alcohol	Alum	Barley		Beans	Bichromate of Potash	Blue Vitriol			Boston Crackers		Brick
Market			N.Y.	Chicago	Av.			No.1	No.2	extra grade	Av.	
			*	*				*	*	*		
1870												
Jan.	352	144	150	129	140	147	70	132	143	106	100	116
Apr.	367	144	113	93	103	123	67	100	143	106	100	116
July	380	139	113	152	133	127	67	100	114	106	100	107
Oct.	324	139	138	159	149	137	65	92	114	106	100	107
1871												
Jan.	343	139	106	118	112	133	60	92	129	94	83	102
Apr.	337	133	125	147	136	140	61	87	129	94	83	102
July	333	122	132	125	129	153	81	89	129	94	83	102
Oct.	361	117	116	102	109	153	114	111	129	88	75	97
1872												
Jan.	343	144	113	103	108	153	105	105	129	88	75	97
Apr.	324	144	99	85	92	183	93	116	129	88	75	97
July	330	144	91	88	90	193	92	126	129	88	75	97
Oct.	326	144	132	112	122	187	105	118	129	88	75	97
1873												
Jan.	361	144	132	110	121	193	100	118	129	82	75	95
Apr.	333	139	143	130	137	180	105	126	129	88	75	97
July	333	144	163	87	125	167	102	121	129	88	75	97
Oct.	367	161	172	220	196	187	85	124	129	82	75	95
1874												
Jan.	352	156	194	240	217	193	81	111	129	82	75	95
Apr.	346	144	207	257	232	180	88	111	129	82	75	95
July	352	144	—	195	195	167	90	108	129	82	75	95
Oct.	394	133	147	169	158	130	86	105	129	82	75	95
1875												
Jan.	359	122	175	211	193	133	83	100	114	82	88	95
Apr.	407	117	153	176	165	123	90	105	114	82	88	95
July	432	111	144	203	174	121	89	89	114	82	88	95
Oct.	426	117	144	174	159	119	86	89	114	82	88	95
1876												
Jan.	398	117	125	135	130	95	80	89	114	82	88	95
Apr.	394	111	135	102	119	79	73	89	114	82	88	95
July	391	117	113	97	105	79	95	105	114	82	88	95
Oct.	393	117	124	141	133	104	76	82	114	82	88	95
1877												
Jan.	393	117	98	113	106	160	69	76	114	82	88	95
Apr.	385	111	110	94	102	150	64	84	114	82	88	95
July	391	111	97	110	104	161	55	84	114	82	88	95
Oct.	396	111	106	101	104	124	60	82	114	82	88	95
1878												
Jan.	382	100	101	97	99	116	58	79	114	71	75	87
Apr.	378	100	83	77	80	91	57	76	114	71	75	87
July	378	100	90	82	86	95	55	74	114	65	71	83
Oct.	380	100	141	188	165	104	67	67	114	65	71	83
1879												
Jan.	370	100	121	161	141	84	67	68	114	82	88	95
Apr.	370	83	94	118	106	84	62	53	114	82	88	95
July	370	83	—	118	118	79	55	58	114	82	88	95
Oct.	380	78	125	124	125	91	54	61	114	82	88	95
1880												
Jan.	393	94	94	152	123	99	76	79	114	82	88	95
Apr.	382	89	94	124	109	89	74	89	114	82	88	95
July	385	83	—	127	127	96	60	87	114	82	88	95
Oct.	398	89	113	125	119	97	55	79	114	82	88	95

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.*

Commodity	Brimstone	Butter	Butts	Candles	Carpets			Cement	Cheese	Chestnut	Clover Seed		
	Crude		loose-joint cast, 3x3 in.	best ad- aman- tine	Brus- sels	In- grain	Wilton	Av.	Rosen- dale	Lumber in log	N. York Chicago		
Market	Refer.	250	78	188	172	125	126	127	228	74	224	7	5
Unit	ton		lb.	doz.	pr.	lb.	yd.	yd.	bbl.	lb.	M. ft.	lb.	bu.
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
price	45.00	.21	.57	.27	1.80	.7077	1.85		1.00	.10	12.00	.085%	4.37%
1860					*	*	*					*	*
Jan.	100	100	100	100	100	100	—	100	80	100	100	108	99
Apr.	100	81	100	100	96	100	100	99	100	110	100	94	88
July	123	81	98	96	92	99	97	96	100	75	100	—	99
Oct.	129	95	90	96	92	98	97	96	100	100	104	108	114
1861													
Jan.	188	81	90	96	92	101	97	97	100	100	104	108	102
Apr.	96	86	90	96	96	95	100	97	90	90	108	91	89
July	89	62	90	96	96	95	100	97	90	60	108	91	89
Oct.	89	64	90	96	96	93	100	96	90	60	108	—	92
1862													
Jan.	188	90	90	98	100	107	105	104	90	70	117	84	85
Apr.	96	98	90	89	100	109	105	105	90	75	125	98	105
July	98	74	112	89	108	119	108	112	90	65	133	89	88
Oct.	107	90	133	89	115	123	116	118	90	80	133	89	102
1863													
Jan.	111	117	133	96	135	149	132	139	90	110	133	126	124
Apr.	122	119	133	100	165	175	151	164	120	145	133	117	107
July	111	98	140	100	154	166	151	157	120	105	133	—	120
Oct.	117	114	140	100	146	155	143	148	120	120	133	149	120
1864													
Jan.	128	145	179	100	165	179	162	169	120	140	133	161	143
Apr.	131	231	207	100	173	197	173	181	140	170	133	183	139
July	189	157	267	104	269	299	270	279	150	150	133	—	161
Oct.	167	202	309	148	269	251	270	263	160	205	133	251	193
1865													
Jan.	222	250	309	148	269	261	270	267	160	225	133	326	309
Apr.	200	150	309	148	192	208	203	201	160	210	133	294	298
July	139	143	277	111	192	220	203	205	150	125	133	343	161
Oct.	138	205	277	111	212	241	216	223	175	150	133	274	163
1866													
Jan.	100	202	277	122	212	242	216	223	175	180	133	158	160
Apr.	151	250	277	111	200	242	203	215	175	215	133	114	123
July	89	195	277	111	200	243	203	215	175	190	133	137	—
Oct.	93	198	277	111	212	242	216	223	175	145	133	137	183
1867													
Jan.	89	183	277	111	212	240	216	223	175	145	100	161	183
Apr.	89	150	277	111	200	214	203	206	175	190	100	190	223
July	87	129	277	111	200	214	203	206	150	150	100	140	—
Oct.	87	160	249	111	200	210	203	204	175	145	100	155	183
1868													
Jan.	87	202	225	111	185	179	189	184	175	145	100	140	169
Apr.	84	250	225	111	185	180	189	185	175	165	100	143	143
July	82	150	181	111	185	186	189	187	175	145	100	123	139
Oct.	144	221	181	111	192	186	203	194	175	160	100	166	171
1869													
Jan.	111	221	181	111	192	173	203	189	190	190	100	152	202
Apr.	93	210	209	111	192	175	203	190	200	220	100	178	203
July	106	171	181	111	192	179	203	191	200	160	100	158	—
Oct.	100	186	181	111	192	179	203	191	200	155	100	158	206

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860–1880.*

Commodity	Brimstone	Butter	Butts	Candles	Brus- sels	Car- pets	Wilton	Av.	Cement	Cheese	Chestnut	Clover Seed
Market	Crude					In- grain					Lumber	N. Y. Chicago
1870					*	*	*					*
Jan.	104	179	149	111	192	165	203	187	200	175	100	161 183
Apr.	102	174	135	104	154	153	162	156	200	140	100	155 209
July	100	181	185	104	154	154	162	157	190	130	100	166 —
Oct.	100	176	104	104	154	156	162	157	190	133	100	166 187
1871												
Jan.	100	179	98	104	154	153	162	156	190	140	100	136 146
Apr.	78	167	98	104	154	155	162	157	175	130	100	114 131
July	78	126	142	104	165	171	176	171	175	118	100	123 187
Oct.	78	148	142	104	165	177	176	173	175	130	100	127 126
1872												
Jan.	76	152	142	104	165	171	176	171	175	133	100	127 137
Apr.	78	162	104	104	165	183	176	175	160	190	100	111 114
July	76	114	204	104	165	181	176	174	160	110	100	115 118
Oct.	76	131	188	104	165	181	176	174	160	133	100	118 120
1873												
Jan.	100	145	174	104	162	159	176	166	160	133	103	109 114
Apr.	78	167	158	104	162	161	176	166	175	160	103	99 109
July	73	129	168	104	162	150	176	163	175	118	103	104 109
Oct.	78	131	158	104	154	154	176	161	175	133	103	120 181
1874												
Jan.	76	145	158	104	154	145	176	158	175	133	104	111 130
Apr.	78	179	109	104	154	151	176	160	150	160	104	120 135
July	82	126	109	104	154	152	176	161	140	118	104	118 141
Oct.	82	179	123	93	154	127	176	152	130	145	104	121 181
1875												
Jan.	80	174	118	93	154	131	176	154	130	150	104	119 129
Apr.	83	119	118	93	154	132	176	154	120	158	102	131 144
July	78	124	133	93	154	135	176	155	120	118	102	133 151
Oct.	84	160	133	82	162	140	168	157	120	133	102	153 151
1876												
Jan.	77	148	130	82	154	131	168	151	120	128	100	158 162
Apr.	73	174	130	82	154	132	162	149	120	133	100	196 215
July	70	117	130	82	154	116	162	144	120	103	100	187 211
Oct.	70	150	140	82	154	111	162	142	120	125	100	146 160
1877												
Jan.	64	150	123	78	135	116	154	135	120	143	100	180 200
Apr.	60	126	114	74	135	113	154	134	120	145	100	177 189
July	62	100	100	70	119	116	154	130	100	95	100	166 149
Oct.	52	140	88	70	119	114	154	129	100	128	100	107 117
1878												
Jan.	61	150	75	70	119	107	154	127	100	128	100	96 109
Apr.	58	155	75	70	119	105	154	126	90	125	100	85 94
July	60	90	75	70	113	105	149	122	90	70	100	92 97
Oct.	58	121	63	63	113	98	149	120	90	88	100	82 101
1879												
Jan.	56	124	70	63	110	89	138	112	90	85	100	79 89
Apr.	52	102	77	63	110	88	138	112	90	70	100	73 81
July	53	74	63	59	106	93	135	111	100	50	100	80 87
Oct.	58	126	91	59	106	96	135	112	100	103	—	108 102
1880												
Jan.	61	157	139	59	106	118	132	119	100	125	—	105 114
Apr.	58	155	186	59	127	136	149	137	110	145	—	82 82
July	54	98	126	59	127	121	149	132	110	78	—	83 91
Oct.	73	148	126	56	127	120	149	132	100	128	100	99 102

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.*

Commodity	Clover Seed	Coal—anthracite				Coal	Copper	Copper	Copperas	Corn	Cotton	
Market	Av.	Chest-nut	Egg	Grate	Stove	Av.	Bitum- inous	Ingot	Sheet		Upland	Upland
Refer.		172	178	175	177		178	185	186	253	N.York	N.York
Unit		ton	ton	ton	ton		on	lb.	lb.	lb.	bu.	lb.
Base		\$	\$	\$	\$		\$	\$	\$	\$	\$	\$
price		3.15	3.80	3.70	3.90		5.00	.28½	.295	.01	.729%	.11 .10875
1860		*	*	*	*						*	*
Jan.	101	100	100	100	100	100	100	100	100	122	100	102
Apr.	91	—	100	100	—	100	105	98	100	125	97	101
July	99	92	97	97	99	96	102	89	100	125	87	98
Oct.	109	108	112	112	108	109	105	90	100	125	94	98
1861												
Jan.	108	98	105	116	117	109	108	81	100	125	97	109
Apr.	90	108	98	111	95	101	96	81	98	125	88	117
July	90	95	97	97	99	100	92	77	98	125	65	124
Oct.	92	108	97	103	97	101	97	87	98	113	75	196
1862												
Jan.	85	95	97	108	99	100	97	113	98	150	89	327
Apr.	102	86	92	92	92	91	135	94	103	125	79	250
July	86	88	93	91	94	90	122	98	103	125	75	336
Oct.	96	86	95	86	95	91	180	119	103	150	82	509
1863												
Jan.	125	92	99	103	100	99	160	132	129	200	109	614
Apr.	112	187	155	159	151	163	150	130	144	200	126	664
July	120	190	168	169	167	174	150	130	136	175	103	627
Oct.	135	190	304	196	201	198	160	138	129	150	119	768
1864												
Jan.	152	198	230	216	244	222	173	161	163	175	178	736
Apr.	161	—	—	—	—	—	180	172	178	175	178	691
July	161	294	263	264	263	271	199	198	195	188	217	1400
Oct.	222	280	224	230	224	227	233	200	237	250	217	1091
1865												
Jan.	318	270	250	243	244	252	256	209	220	238	257	1091
Apr.	296	—	—	—	—	—	250	145	169	200	196	318
July	252	198	184	186	180	187	165	121	153	150	102	455
Oct.	219	310	276	284	276	287	200	138	169	250	125	400
1866												
Jan.	159	325	303	304	301	308	200	174	186	200	127	468
Apr.	119	—	—	—	—	—	193	126	169	225	106	359
July	137	190	191	193	192	192	185	140	153	200	120	327
Oct.	160	—	—	—	—	—	155	130	153	200	130	382
1867												
Jan.	172	183	164	162	179	172	189	119	136	200	159	323
Apr.	207	136	134	142	135	137	155	99	122	150	167	273
July	140	—	—	—	—	—	150	99	119	150	136	241
Oct.	169	136	124	127	128	129	150	109	119	163	181	195
1868												
Jan.	155	—	—	—	—	—	170	89	119	150	193	152
Apr.	143	—	—	—	—	—	135	97	112	138	169	264
July	131	135	116	116	122	122	135	96	112	138	140	293
Oct.	169	152	147	149	154	151	135	100	112	200	155	245
1869												
Jan.	177	—	—	—	—	—	155	101	112	200	148	236
Apr.	191	151	132	131	135	137	140	100	119	175	129	261
July	158	210	179	184	179	188	145	94	112	200	138	314
Oct.	182	—	—	—	—	—	145	93	112	175	133	245

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860–1880.*

Commodity	Clover Seed			Coal—anthracite			Coal	Copper	Copper	Copperas	Corn	Cotton
Market	Av.	Chest-nut	Egg	Grate	Stove	Av.	Bitu-minous	Ingot	Sheet			N. Y.
1870		*	*	*	*							*
Jan.	172	—	—	—	—	—	145	93	112	188	153	231
Apr.	182	143	182	128	147	138	140	83	105	200	141	207
July	166	143	129	127	133	133	125	85	102	200	132	186
Oct.	152	143	129	128	135	134	125	91	108	175	119	148
1871												
Jan.	141	136	121	119	131	127	157	96	108	175	105	139
Apr.	123	—	—	—	—	—	125	90	108	150	114	138
July	130	151	142	138	147	145	125	93	108	150	98	189
Oct.	127	167	147	146	160	155	125	102	115	150	104	182
1872												
Jan.	132	159	138	135	154	147	140	117	122	150	107	185
Apr.	113	132	113	114	119	120	140	170	146	150	98	214
July	117	119	101	97	106	106	128	140	153	138	88	234
Oct.	119	135	117	115	122	122	128	140	153	138	88	173
1873												
Jan.	112	138	121	118	129	127	127	145	153	125	91	186
Apr.	104	141	126	126	128	130	143	145	153	125	89	180
July	107	151	134	134	136	139	141	121	136	125	75	191
Oct.	126	160	142	142	144	147	141	106	136	150	91	166
1874												
Jan.	121	160	142	142	146	148	141	106	119	125	113	148
Apr.	128	140	130	130	138	135	136	104	119	125	117	155
July	130	151	139	139	149	145	133	104	119	138	105	161
Oct.	126	165	151	151	160	157	133	91	102	138	131	139
1875												
Jan.	124	170	155	155	164	161	133	99	102	125	127	131
Apr.	138	140	130	130	138	135	120	90	105	125	119	151
July	142	152	141	141	149	146	120	98	105	125	111	140
Oct.	152	157	149	142	156	151	120	98	105	125	91	120
1876												
Jan.	160	157	149	142	156	151	115	99	105	100	93	120
Apr.	206	146	124	124	136	133	115	97	108	100	92	122
July	199	151	128	128	140	137	98	84	108	75	79	109
Oct.	153	114	88	89	105	99	98	87	108	88	78	100
1877												
Jan.	190	122	86	85	105	100	106	83	108	125	83	115
Apr.	183	103	78	78	86	86	102	82	108	100	76	105
July	158	84	70	72	71	74	89	81	102	88	80	110
Oct.	112	94	78	77	78	82	86	78	102	88	80	102
1878												
Jan.	103	97	74	72	80	81	85	75	95	88	88	102
Apr.	90	106	91	91	96	96	80	72	95	88	76	97
July	95	110	95	93	104	101	85	69	95	100	62	104
Oct.	92	108	92	92	99	98	90	68	85	88	67	95
1879												
Jan.	84	103	83	85	95	92	90	68	85	88	65	86
Apr.	77	71	57	58	64	63	75	68	81	88	62	98
July	84	83	64	65	71	71	90	69	81	88	60	113
Oct.	105	78	61	60	64	66	100	80	102	88	72	98
1880												
Jan.	110	113	80	81	92	92	100	90	102	88	86	116
Apr.	82	122	101	104	99	107	108	94	102	88	75	118
July	87	122	101	104	105	108	103	81	95	100	69	107
Oct.	101	125	107	104	110	112	98	80	95	88	71	105

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.*

Commodity	Cotton	Cotton								Eggs	Fish—Cod <sup>1</sup>	Flax Seed	
		Av.	Coeheco Prints	Denims	Drillings	Print cloths meta-comet	Print cloths Stand-ard	Shirt-ings bl'ch'd	Sheet-ings brown				Tick-ings
Market Refer.	Unit	124 yd.	135 yd.	136 yd.	151 yd.	152 yd.	159 yd.	155 yd.	165 yd.	Av.	76 doz.	77 lb.	254 bu.
Base Price		\$ .095	\$ .145	\$ .0846	\$ .05375	\$ .05625	\$ .1457	\$ .08	\$ .17		\$ .174375	\$ .04	\$ 1.63
1860		*	*	*	*	*	*	*	*		*	*	*
Jan.	101	100	100	100	100	100	100	100	100	100	149	100	100
Apr.	101	105	103	97	100	98	100	103	100	101	89	100	98
July	93	100	103	100	100	100	100	103	100	101	79	118	103
Oct.	99	100	103	100	100	98	100	103	100	101	88	125	101
1861													
Jan.	112	100	103	97	86	84	97	103	96	96	103	125	89
Apr.	117	95	103	97	79	78	97	103	96	94	89	125	86
July	136	95	103	97	77	80	97	106	99	94	65	125	92
Oct.	197	105	105	117	105	107	103	135	101	110	75	125	92
1862													
Jan.	336	132	124	146	107	160	110	165	122	133	135	125	110
Apr.	253	126	136	146	126	129	116	165	132	135	75	125	135
July	346	132	138	157	156	153	129	183	137	149	69	300	107
Oct.	515	179	210	292	251	220	167	297	212	229	83	125	117
1863													
Jan.	618	211	259	309	279	253	210	356	266	268	115	150	172
Apr.	668	—	—	393	298	258	210	445	—	321	135	125	245
July	681	—	—	309	260	258	232	416	—	295	112	150	147
Oct.	773	—	—	404	295	280	237	445	—	332	115	150	147
1864													
Jan.	741	253	379	449	316	302	267	505	—	353	166	200	184
Apr.	695	263	397	449	300	289	284	475	416	359	120	175	215
July	1410	421	426	702	593	524	468	831	413	547	146	200	221
Oct.	1101	358	607	730	480	569	307	683	618	544	166	—	199
1865													
Jan.	1096	389	464	674	537	480	411	712	451	515	252	388	230
Apr.	343	211	412	337	188	178	271	463	412	309	106	225	169
July	430	289	424	337	360	338	290	386	469	362	152	450	117
Oct.	426	316	455	404	454	484	355	398	472	417	163	200	178
1866													
Jan.	469	284	374	365	361	347	321	392	463	363	224	313	178
Apr.	354	221	350	270	249	236	315	297	426	296	135	250	153
July	325	221	343	275	267	258	281	273	349	233	135	200	190
Oct.	373	216	334	270	274	249	290	261	347	280	158	200	199
1867													
Jan.	325	200	269	253	226	213	261	261	341	253	215	250	160
Apr.	263	189	247	236	188	182	261	238	279	228	138	200	175
July	240	168	233	202	165	160	228	205	263	203	109	250	196
Oct.	197	168	198	196	149	133	179	196	228	181	166	—	175
1868													
Jan.	153	142	172	168	121	116	183	178	222	163	258	250	141
Apr.	266	147	184	180	156	164	183	226	201	180	158	200	172
July	294	142	202	191	177	158	183	208	201	183	146	200	160
Oct.	246	142	193	194	142	181	163	184	190	167	175	—	172
1869													
Jan.	238	142	186	185	149	160	179	190	182	172	238	200	153
Apr.	262	147	197	191	147	140	179	190	193	173	166	200	169
July	316	147	193	191	160	156	163	202	193	176	135	200	163
Oct.	249	147	198	191	144	140	136	184	196	167	178	225	147

<sup>1</sup> Prices are for February, May, August, November.

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860–1880.*

Commodity	Cotton					Cotton Textiles					Eggs	Fish—Cod <sup>1</sup>	Flax Seed
	Av.	Cocheo Prints	Den- ims	Dril- lings	Print cloths meta- comet	Print cloths stand- ard	Shirt- ings blech'd	Sheet- ings brown	Tiek- ings	Av.			
1870													
Jan.	232	147	184	185	142	144	147	190	188	166	270	200	138
Apr.	208	132	198	173	128	120	156	178	188	159	161	200	129
July	187	137	191	168	114	116	156	178	179	155	126	200	135
Oct.	152	126	178	163	135	131	130	166	172	150	161	200	141
1871													
Jan.	140	121	166	152	133	133	130	154	163	144	192	175	132
Apr.	189	121	164	146	128	120	136	148	159	140	109	150	132
July	191	121	159	152	137	133	136	160	156	144	109	175	150
Oct.	182	126	155	157	142	142	136	160	160	147	163	200	126
1872													
Jan.	185	126	155	163	142	136	136	160	160	147	215	200	117
Apr.	215	126	159	168	156	147	143	178	162	155	132	125	129
July	236	126	157	174	149	142	136	172	162	152	103	150	135
Oct.	173	126	145	174	137	136	124	160	153	144	152	200	123
1873													
Jan.	189	126	150	168	137	133	136	166	153	146	232	150	126
Apr.	182	121	159	168	126	122	136	166	157	144	129	175	135
July	192	126	157	174	112	118	124	160	157	141	123	150	150
Oct.	168	116	152	174	72	116	111	154	151	131	158	200	132
1874													
Jan.	149	121	141	136	107	109	124	143	144	128	232	200	147
Apr.	156	100	145	130	105	102	117	143	140	123	141	200	166
July	162	100	133	130	102	100	117	137	132	119	126	200	144
Oct.	141	100	134	127	107	93	117	131	134	118	143	200	126
1875													
Jan.	132	100	126	127	91	93	98	125	132	112	192	250	141
Apr.	152	95	124	130	109	111	100	131	132	117	141	150	135
July	141	100	124	130	95	91	100	125	131	112	103	175	117
Oct.	121	89	122	124	84	89	91	119	128	106	155	200	98
1876													
Jan.	121	89	122	112	79	75	91	113	116	100	189	175	98
Apr.	123	84	121	112	70	68	91	107	113	96	106	200	129
July	109	63	105	95	70	66	85	101	97	85	98	175	92
Oct.	101	79	100	95	91	81	85	101	91	90	132	175	89
1877													
Jan.	116	79	102	98	91	87	85	107	91	93	169	175	130
Apr.	106	79	105	95	79	71	85	101	94	89	100	125	123
July	112	79	97	95	81	76	82	98	88	87	98	100	126
Oct.	102	79	102	95	67	66	75	98	88	84	118	125	92
1878													
Jan.	103	74	103	95	72	63	75	98	88	84	138	150	132
Apr.	96	74	107	92	62	58	75	98	91	82	66	150	123
July	105	68	102	87	64	62	69	89	90	79	72	150	120
Oct.	97	63	102	92	63	60	69	89	87	78	112	150	92
1879													
Jan.	87	63	100	83	61	57	69	83	82	75	146	150	86
Apr.	98	62	93	83	61	64	72	92	82	76	83	150	117
July	114	68	91	86	77	74	78	101	84	82	72	150	—
Oct.	97	63	98	87	65	67	78	95	88	80	112	150	77
1880													
Jan.	116	79	100	103	93	87	85	107	88	93	126	150	123
Apr.	119	84	107	103	79	100	88	110	97	96	72	200	117
July	108	84	102	95	74	71	82	98	96	88	78	250	74
Oct.	106	74	97	92	74	72	78	92	93	84	118	150	75

<sup>1</sup> Prices are for February, May, August, November.



TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.*

Commodity	Flax Seed			Flour		Fruit	Fruit	Fruit	Furniture		Furniture	Hemlock
Market	N. Y.	Cinn.	Av.	Rye	Wheat <sup>1</sup>	Apples dried	Currants Zante	Raisins	Chairs bed-room	Chairs kitchen	Chairs Tables Av. kitchen	Lumber in the log
Refer.	15	13		80	79	81	82	83	274	275	276	225
Unit	bu.	bu.		bb.	bb.	lb.	lb.	box	dos.	dos.	dos.	M. ft.
Base	\$	\$		\$	\$	\$	\$	\$	\$	\$	\$	\$
Price	1.59	1.10		4.00	3.25	.0775	.06	2.30	10.00	4.50	12.00	6.00
1860	*	*							*	*		
Jan.	98	100	99	100	100	100	100	100	100	100	100	100
April	102	100	100	100	109	90	104	103	100	100	100	100
July	101	100	101	95	109	87	92	107	100	100	100	100
Oct.	99	100	100	100	97	77	79	124	80	100	90	100
1861												
Jan.	101	100	97	93	103	77	75	89	80	100	90	100
April	91	100	92	95	103	52	75	68	80	100	90	100
July	—	91	92	75	103	103	67	50	80	100	90	100
Oct.	98	91	94	88	97	77	158	102	80	100	90	100
1862												
Jan.	116	114	113	100	109	97	150	139	80	100	90	100
April	140	136	137	100	100	90	158	139	80	100	90	100
July	129	—	118	88	94	71	167	136	80	100	90	100
Oct.	125	114	119	106	101	71	179	154	80	100	90	100
1863												
Jan.	193	182	182	119	—	84	175	152	85	100	93	100
April	182	295	241	113	—	87	233	174	105	100	103	113
July	165	—	156	106	—	90	250	185	105	100	103	113
Oct.	165	182	165	125	—	84	242	180	110	111	111	113
1864												
Jan.	207	227	206	138	—	123	240	174	125	122	124	113
April	223	236	225	138	—	126	275	178	125	122	124	125
July	231	255	236	131	—	148	308	185	145	133	139	138
Oct.	200	255	218	138	—	168	283	174	180	167	174	163
1865												
Jan.	233	259	241	213	—	200	342	254	180	167	174	163
April	176	182	176	144	—	177	217	215	150	156	153	150
July	142	136	132	128	—	132	208	250	145	144	145	150
Oct.	190	245	204	169	—	168	233	204	145	144	145	150
1866												
Jan.	187	227	197	131	197	184	263	183	145	144	145	150
April	160	205	173	113	197	190	217	165	150	144	147	150
July	203	264	219	169	197	290	250	170	150	144	147	150
Oct.	209	255	221	150	206	155	250	161	150	144	147	150
1867												
Jan.	175	205	180	170	203	129	208	154	150	144	147	150
April	184	236	198	188	200	174	217	158	150	144	147	150
July	206	205	202	160	188	142	185	157	150	144	147	150
Oct.	180	200	185	162	191	—	196	—	135	144	140	150
1868												
Jan.	154	164	153	188	188	139	221	165	120	144	132	150
April	179	205	185	194	185	136	188	170	120	144	132	150
July	165	200	175	200	170	142	185	172	135	144	140	150
Oct.	178	236	195	150	167	116	204	196	135	144	140	150
1869												
Jan.	159	182	165	174	152	—	179	148	135	144	140	150
April	178	205	184	174	167	165	167	135	135	156	146	150
July	160	182	168	158	139	—	167	122	135	156	146	150
Oct.	154	182	161	148	118	136	183	143	135	156	146	150

<sup>1</sup> Prices are for February, May, August, November.

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.*

Commodity	Flax Seed			Flour		Flour	Fruit	Fruit	Fruit	Furniture		Furniture	Hemlock
	N. Y.	Cinn.	Av.	Rye	Wheat <sup>1</sup>	Apples dried	Cur-rants	Raisins	bed-room	Chairs	Av.	Tables	Lumber in the log
Market	N. Y.	Cinn.	Av.	Rye	Wheat <sup>1</sup>	Apples dried	Cur-rants	Raisins	bed-room	Chairs	Av.	Tables	Lumber in the log
1870	*	*							*	*			
Jan.	149	159	149	133	112	142	183	143	135	156	146	150	100
April	149	164	147	120	106	123	200	135	135	156	146	150	100
July	142	182	153	144	118	142	200	126	115	144	130	150	100
Oct.	145	164	150	141	112	103	204	135	105	144	125	150	100
1871													
Jan.	135	155	141	138	124	90	167	87	105	133	119	150	133
April	145	159	145	158	130	113	158	121	120	138	127	150	133
July	149	159	153	138	118	87	150	102	120	138	127	150	133
Oct.	130	141	132	138	124	97	125	161	120	133	127	150	133
1872													
Jan.	143	136	132	133	133	142	133	113	120	133	127	150	133
April	142	141	137	126	149	161	125	111	120	133	127	150	133
July	142	159	145	116	155	156	125	109	105	133	119	150	133
Oct.	128	136	129	130	155	—	119	109	105	133	119	150	133
1873													
Jan.	130	136	131	155	136	110	108	87	105	133	119	150	133
April	143	150	143	135	142	94	108	96	105	133	119	150	133
July	160	150	153	129	136	97	92	85	105	122	114	150	133
Oct.	137	141	137	148	142	—	110	98	105	122	114	150	133
1874													
Jan.	142	182	157	138	130	110	102	104	105	122	114	150	135
April	171	159	165	131	129	94	98	109	105	122	114	150	135
July	154	168	155	148	136	97	102	125	100	122	111	150	133
Oct.	129	159	138	133	124	—	98	117	85	111	98	137	133
1875													
Jan.	148	159	149	125	121	110	100	124	85	111	98	137	133
April	142	159	145	125	118	129	102	115	80	111	96	137	133
July	123	141	127	131	126	116	102	98	80	111	96	137	133
Oct.	108	127	111	138	130	136	112	109	75	111	93	137	133
1876													
Jan.	124	112	111	131	123	155	123	120	75	94	85	137	133
April	101	114	115	125	127	129	104	103	75	94	85	137	133
July	94	102	96	126	112	129	115	111	75	94	85	137	133
Oct.	91	100	93	126	115	—	104	91	75	94	85	137	133
1877													
Jan.	104	111	115	128	136	74	102	74	80	89	85	137	133
April	107	114	115	119	145	71	108	67	80	89	85	137	133
July	113	114	118	123	118	71	108	71	75	89	82	137	133
Oct.	91	105	96	116	127	103	100	59	75	89	82	137	133
1878													
Jan.	96	105	111	98	115	84	96	82	70	89	80	137	133
April	93	105	107	100	109	77	83	63	70	89	80	137	133
July	94	105	106	76	109	52	83	73	70	89	80	137	133
Oct.	115	109	105	78	107	—	75	76	70	89	80	125	133
1879													
Jan.	90	100	92	76	103	52	63	70	70	89	80	125	133
April	113	105	112	80	103	48	63	63	70	89	80	125	133
July	138	109	124	88	100	48	67	60	70	89	80	125	133
Oct.	86	104	89	110	112	65	75	80	75	89	82	125	133
1880													
Jan.	108	114	115	138	112	87	108	96	80	100	90	125	133
April	115	127	120	121	106	87	104	102	80	100	90	125	133
July	—	95	85	118	106	74	88	100	80	100	90	125	133
Oct.	88	100	88	123	107	—	96	100	80	100	90	125	133

<sup>1</sup> Prices are for February, May, August, November.

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.*

Commodity	Hides								Iron Wire		Lard		Lead		Av.
	Dry, Cal- for- nia	Dry, Rio Grande	Dry, Texas	Green Cinn.	Green salted Chic.	Wet salt- ed city slaugh- ter	Wet salted Rio Grande	Av.	Market No. 10	Drop- shot	Pipe				
	N. Y.	N. Y.	N. Y.	N. Y.	N. Y.	N. Y.	N. Y.								
	Refer.	17	18	19	20	21	23	23	190	85	191	193			
Unit	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	100 lb.	100 lb.				
Base price	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$			
	.32%	.2375	.14%	.0675	.0728%	.09	.1275		.052	.105	5.87½	6.00			
1860	*	*	*	*	*	*	*	*							
Jan.	103	97	111	100	91	100	98	100	—	100	100	100			
April	98	102	101	107	100	103	106	102	—	98	119	117			
July	103	103	97	107	106	103	102	103	100	114	115	113			
Oct.	97	98	91	85	103	94	94	95	100	117	111	104			
1861															
Jan.	91	87	103	93	69	68	82	85	100	95	111	104			
April	90	85	109	93	82	75	84	88	100	86	111	108			
July	—	—	144	63	58	61	—	82	100	76	111	108			
Oct.	97	95	137	85	69	86	96	95	100	76	119	117			
1862															
Jan.	106	97	137	78	72	83	106	97	100	76	145	142			
April	—	96	123	100	86	75	96	96	100	74	145	142			
July	104	100	144	100	79	83	100	101	100	74	145	142			
Oct.	113	117	150	100	103	94	114	113	100	74	149	146			
1863															
Jan.	128	114	178	126	106	99	112	123	106	88	170	167			
April	125	120	171	130	120	94	116	125	233	100	204	167			
July	115	120	157	137	113	94	112	121	169	89	204	200			
Oct.	129	121	—	137	141	103	114	124	138	102	187	183			
1864															
Jan.	125	119	159	148	132	125	112	131	212	114	230	225			
April	135	127	168	141	156	139	123	141	212	126	264	258			
July	155	149	173	174	161	161	135	158	212	157	358	350			
Oct.	117	114	164	159	120	133	112	131	286	186	340	333			
1865															
Jan.	147	141	168	156	139	153	133	148	264	195	340	333			
April	71	68	91	156	100	104	65	94	212	148	272	267			
July	69	69	70	96	91	83	72	79	148	152	238	233			
Oct.	83	74	109	119	122	128	71	101	169	233	255	217			
1866															
Jan.	78	72	113	133	93	139	72	100	212	136	238	233			
April	81	71	113	141	76	133	71	98	190	157	166	162			
July	74	67	72	133	93	125	66	90	190	181	196	192			
Oct.	83	77	82	133	120	139	76	101	212	157	192	183			
1867															
Jan.	81	73	106	152	96	125	78	102	190	112	179	171			
April	81	76	106	152	108	119	81	103	180	117	179	171			
July	86	88	137	159	120	147	92	118	180	107	179	171			
Oct.	90	86	145	—	132	144	88	114	169	133	196	192			
1868															
Jan.	83	78	116	148	120	122	81	107	180	114	196	200			
April	85	84	99	156	134	139	90	112	159	148	196	200			
July	88	92	103	167	120	143	94	115	159	152	196	200			
Oct.	84	86	103	167	172	143	88	120	148	174	192	188			
1869															
Jan.	91	94	116	159	127	140	94	117	159	171	204	188			
April	96	97	150	178	170	140	98	133	159	167	204	188			
July	90	89	154	178	110	140	93	122	159	160	204	188			
Oct.	84	88	142	178	113	140	86	119	159	162	189	167			

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860–1880.*

Commodity	Hides								Iron Wire	Lard	Lead		
	Dry, Calif.	Dry, Grande	Rio Grande	Dry Texas	Green	Green salted	Wet, etc.	Wet salt-ed Rio Grande			Drop shot	Pipe	Av.
1870	*	*	*	*	*	*	*	*			*	*	
Jan.	91	92	140	156	96	122	92	113	137	150	170	133	152
April	96	94	133	144	93	108	98	109	137	131	168	128	148
July	92	94	128	133	86	125	96	108	127	133	128	125	127
Oct.	96	97	140	148	106	128	97	116	127	133	140	129	135
1871													
Jan.	105	104	150	144	137	122	98	122	127	138	140	125	133
April	97	97	142	133	144	117	94	118	127	110	142	154	148
July	98	98	123	133	144	125	98	117	127	114	161	154	158
Oct.	101	105	123	148	151	132	100	123	127	93	161	154	158
1872													
Jan.	106	115	137	—	151	122	98	122	127	86	161	150	156
April	111	116	157	163	148	133	106	133	137	—	161	150	156
July	106	116	144	163	151	142	106	133	159	81	172	165	169
Oct.	103	104	137	170	158	138	98	130	169	79	172	165	169
1873													
Jan.	113	118	164	156	151	139	94	134	159	73	172	157	165
April	111	114	157	156	144	133	106	132	148	81	172	157	165
July	99	104	140	141	137	122	98	120	142	80	172	157	165
Oct.	109	109	157	159	110	124	94	123	127	76	172	157	165
1874													
Jan.	111	110	156	130	124	117	94	120	116	79	172	157	165
April	108	105	147	130	120	117	102	118	116	94	138	135	137
July	104	105	147	133	117	111	86	115	116	108	138	135	137
Oct.	107	106	152	130	117	118	98	118	116	131	130	127	129
1875													
Jan.	104	101	152	126	117	128	102	119	106	127	138	131	135
April	101	95	—	126	110	111	86	105	106	138	153	135	144
July	92	87	123	122	110	106	78	103	106	117	149	139	144
Oct.	94	88	130	126	113	108	84	106	106	130	149	137	143
1876													
Jan.	91	79	132	119	103	100	80	101	106	115	149	135	142
April	81	76	137	119	96	94	75	97	106	135	153	142	148
July	73	69	115	126	100	93	71	92	95	112	149	142	146
Oct.	78	75	115	133	106	97	71	96	95	100	149	142	146
1877													
Jan.	108	78	159	144	124	111	90	116	95	105	149	135	142
April	90	86	121	141	103	94	80	102	90	90	149	135	142
July	96	87	128	148	120	110	86	111	90	82	134	127	131
Oct.	97	91	130	141	120	117	86	112	85	87	134	112	123
1878													
Jan.	94	85	128	141	110	103	88	107	85	76	134	112	123
April	91	79	120	133	89	86	78	97	85	71	134	112	123
July	85	79	113	126	96	94	72	95	90	67	94	73	84
Oct.	106	98	140	111	100	108	92	108	85	64	76	79	78
1879													
Jan.	83	79	106	126	96	86	82	94	79	55	100	83	92
April	80	76	101	111	89	81	78	88	74	62	100	83	92
July	87	83	109	130	106	118	80	102	74	59	103	83	93
Oct.	94	87	115	133	117	121	85	107	85	60	110	105	108
1880													
Jan.	111	100	156	137	137	139	102	126	85	68	110	116	113
April	106	98	140	141	127	108	92	116	106	71	110	120	115
July	98	95	120	156	130	103	92	113	95	68	123	105	114
Oct.	104	98	130	159	130	108	96	118	95	79	123	98	111

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.*

Commodity	Leather	Lime	Linseed Oil	Matches	Meal	Meat—Beef							
	Harness	Rock-land				Salt-meat	Av.						
Market					Corn	Loins <sup>1</sup>	Ribs <sup>1</sup>				N. Y.	Chnn.	Chicago
Refer.	148	226	255	179	86	88	89	89			25	24	26
Unit	lb.	bb.	gal.	gross.	bb.	lb.	lb.	bb.			100 lbs.	100 lbs.	100 lbs.
Base	\$	\$	\$	\$	\$	\$	\$	\$			\$	\$	\$
price	.85	.60	.57	.48	4.15	.18	.15	11.50			5.46	3.625	3.10
1860						*	*	*			*	*	*
Jan.	100	133	100	100	100	100	100	100	100	108	108	97	101
April	100	143	105	100	96	100	98	91	95	108	117	113	113
July	103	100	104	100	89	100	98	87	93	92	90	105	96
Oct.	100	125	102	100	93	94	93	83	90	97	90	85	91
1861													
Jan.	94	133	88	100	84	89	98	91	91	108	97	105	102
April	89	133	105	100	90	89	100	91	93	90	110	105	102
July	86	133	95	100	72	83	93	83	86	90	76	110	92
Oct.	100	133	104	100	73	83	87	96	89	90	90	77	86
1862													
Jan.	94	—	149	100	78	83	87	104	91	108	83	73	86
April	94	138	149	100	76	83	87	100	90	97	90	97	95
July	91	92	151	100	71	83	87	104	91	87	97	90	91
Oct.	103	117	151	100	94	83	87	113	94	87	76	85	83
1863													
Jan.	109	143	219	100	108	94	98	109	99	97	90	92	93
April	129	143	298	100	112	100	100	113	104	118	131	145	131
July	129	167	311	100	106	100	100	100	100	110	124	110	115
Oct.	131	192	237	100	116	100	100	104	101	103	97	101	100
1864													
Jan.	143	175	251	100	145	106	107	107	107	118	131	105	118
April	154	225	281	100	148	139	147	96	127	144	179	141	155
July	166	167	298	208	193	156	153	217	175	162	166	177	168
Oct.	171	208	246	208	189	150	147	130	142	178	193	153	175
1865													
Jan.	171	250	272	208	212	194	187	165	182	164	221	169	185
April	166	267	246	396	157	194	213	191	199	215	262	242	240
July	137	200	207	396	124	178	187	113	159	159	193	145	166
Oct.	151	300	272	396	123	167	167	139	158	190	166	222	193
1866													
Jan.	149	283	249	396	117	144	167	209	173	174	172	179	175
April	149	267	228	385	99	156	167	209	177	159	193	155	169
July	146	250	316	385	127	178	173	213	188	172	207	210	196
Oct.	149	283	289	385	120	167	167	209	181	169	193	185	182
1867													
Jan.	146	308	219	385	127	167	160	178	168	154	172	159	162
April	137	250	225	385	151	178	173	174	175	181	221	190	197
July	146	308	239	375	147	172	167	204	181	173	193	190	185
Oct.	146	308	216	375	166	167	167	183	172	154	193	129	159
1868													
Jan.	137	308	179	375	154	167	167	174	169	169	179	133	160
April	137	308	207	375	147	167	167	196	177	182	234	161	192
July	143	292	188	365	149	167	173	196	179	169	193	173	178
Oct.	134	292	179	365	157	167	167	172	169	167	138	129	145
1869													
Jan.	134	267	172	354	125	167	167	183	172	174	138	181	164
April	134	250	179	354	118	167	167	165	166	159	166	194	173
July	134	208	175	344	111	167	167	152	162	162	152	190	168
Oct.	137	275	175	344	151	167	167	128	154	159	145	181	162

<sup>1</sup> Prices are for February, May, August, November.

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.*

Commodity	Leather	Lime	Linseed Oil	Matches	Meal	Meat—Beef							
	Harness	Rock-land			Corn	Loins <sup>1</sup>	Ribs <sup>1</sup>	Salt-mess	Av.	N. Y.	Cinn.	Chicago	Av.
Market 1870						*	*	*		*	*	*	
Jan.	131	250	160	333	123	167	167	157	164	174	152	157	161
April	123	208	153	333	120	167	167	170	168	169	159	177	168
July	117	208	163	323	127	167	167	174	169	164	179	173	172
Oct.	129	192	154	323	127	167	167	161	165	162	145	133	147
1871													
Jan.	126	283	144	302	102	167	167	165	166	154	145	194	164
April	123	233	151	292	108	156	160	152	156	154	162	180	165
July	120	183	149	292	99	150	153	130	144	128	121	165	138
Oct.	123	292	144	281	99	150	153	109	137	123	114	151	129
1872													
Jan.	117	292	130	271	103	150	153	100	134	121	131	169	140
April	126	250	158	271	90	150	153	96	133	128	124	177	143
July	123	225	147	260	89	150	153	87	130	129	124	179	144
Oct.	129	225	140	260	92	150	153	87	130	126	121	177	141
1873													
Jan.	126	250	158	250	92	150	147	115	137	126	124	173	141
April	126	267	168	250	88	150	147	111	136	126	124	174	141
July	123	267	168	250	87	150	147	109	135	118	124	178	140
Oct.	126	183	174	250	94	144	140	100	128	117	83	172	124
1874													
Jan.	120	183	153	240	108	144	140	100	128	122	110	177	136
April	117	192	167	240	106	144	140	122	135	123	130	186	146
July	111	167	153	240	111	144	140	124	136	114	101	183	133
Oct.	106	208	135	240	130	144	140	143	142	118	114	165	132
1875													
Jan.	106	233	137	240	114	144	140	100	128	129	128	185	147
April	106	233	126	229	114	144	140	100	128	122	128	185	145
July	106	208	105	229	107	144	140	100	128	129	128	190	149
Oct.	103	183	102	229	101	144	140	104	129	121	121	174	139
1876													
Jan.	103	167	111	229	93	133	133	96	121	113	114	169	132
April	103	167	105	229	78	133	133	122	129	113	117	160	130
July	100	142	100	229	78	128	127	109	121	96	103	149	116
Oct.	97	142	93	229	78	122	120	96	113	104	94	149	116
1877													
Jan.	100	133	98	219	74	122	120	126	123	105	121	161	129
April	100	133	112	219	76	122	120	117	120	112	128	162	134
July	100	133	109	219	83	128	127	122	126	119	128	177	141
Oct.	100	133	98	219	74	128	127	109	121	109	110	153	124
1878													
Jan.	100	108	111	219	78	122	120	104	115	106	114	145	122
April	97	125	105	208	77	111	107	96	105	99	117	141	119
July	97	108	100	208	63	111	107	87	102	94	113	143	117
Oct.	97	125	109	208	70	111	107	83	100	85	94	129	103
1879													
Jan.	91	142	107	208	67	111	107	83	100	96	103	128	109
April	91	150	104	208	63	111	107	78	99	82	127	148	119
July	91	150	112	208	60	111	107	91	103	97	110	140	116
Oct.	97	150	109	208	72	111	107	91	103	96	97	144	112
1880													
Jan.	117	142	149	208	80	111	107	91	103	100	103	140	114
April	117	150	140	208	77	111	107	83	100	77	113	139	110
July	120	150	105	208	76	111	107	83	100	90	110	185	112
Oct.	117	150	98	208	78	111	107	78	99	91	105	149	115

<sup>1</sup> Prices are for February, May, August, November.

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.*

Commodity	Meat—Hogs			Meat—Mutton <sup>1</sup>	Meat—Fork	Meat—Sheep			Mercury	Milk			Molasses	Av.	
	Av.					salt-mens	N. Y.			Av.	Fresh <sup>1</sup>	New Orleans prime			Porto Rico, best
	Market Refer.	N. Y.	Cinn.				31	Cinn.							
	Unit	28	27				91	92							
Base price	100 lb.	100 lb.	lb.	bbl.	100 lbs	head	head	lb.	qt.	gal.	gal.	gal.			
	6.28 ½	4.96 ¾		.10	16.50	5.43 ¾	3.62 ½	.55	.05	.53	.38				
1860	*	*				*	*				*	*			
Jan.	90	121	106	100	100	101	110	106	100	100	100	100	100		
April	97	101	99	120	109	110	138	124	100	100	91	108	100		
July	107	62	85	100	110	92	83	88	100	100	91	100	96		
Oct.	106	116	111	100	117	97	69	83	100	100	94	105	100		
1861															
Jan.	86	115	106	110	102	101	138	120	100	100	70	92	81		
April	82	98	90	110	109	99	124	112	100	100	71	87	79		
July	68	63	66	100	97	78	55	67	100	100	68	71	70		
Oct.	63	61	62	90	91	87	55	71	82	100	104	118	111		
1862															
Jan.	60	65	63	100	75	106	90	98	82	80	104	105	105		
April	74	65	70	100	77	110	110	110	82	80	85	100	93		
July	57	47	52	90	65	97	72	85	82	80	—	97	97		
Oct.	67	63	65	100	71	101	103	102	109	80	91	132	112		
1863															
Jan.	75	94	85	100	86	110	83	97	127	—	106	126	116		
April	88	76	82	125	98	138	179	159	127	—	106	118	112		
July	88	74	81	120	85	87	114	101	127	—	94	139	117		
Oct.	79	57	68	125	86	97	121	109	142	—	113	164	139		
1864															
Jan.	113	141	127	120	118	136	145	146	151	—	132	171	152		
April	139	151	145	140	145	179	200	190	200	—	160	224	192		
July	176	151	164	160	276	117	110	114	282	—	217	290	254		
Oct.	179	237	208	150	255	147	166	157	345	—	311	224	268		
1865															
Jan.	219	314	267	190	212	175	207	191	251	—	283	290	287		
April	191	227	209	190	162	211	276	244	182	—	208	184	196		
July	169	174	172	170	164	101	117	109	96	—	217	184	201		
Oct.	229	257	243	170	214	124	152	138	96	—	—	250	250		
1866															
Jan.	165	244	205	160	186	161	166	164	100	130	236	158	197		
April	171	189	180	170	161	140	179	160	164	130	208	197	203		
July	165	188	177	180	198	113	138	126	164	130	—	211	211		
Oct.	173	196	185	160	203	108	131	120	173	180	—	197	197		
1867															
Jan.	105	131	118	170	130	124	138	131	173	170	166	171	169		
April	133	141	137	180	141	156	193	175	173	140	—	197	197		
July	115	120	118	150	140	131	110	121	142	115	—	184	184		
Oct.	114	131	123	160	145	106	117	112	142	175	—	197	197		
1868															
Jan.	118	131	125	170	138	101	124	113	142	160	170	171	171		
April	149	171	160	200	150	159	207	183	142	120	179	197	188		
July	141	166	154	160	175	108	110	109	142	125	—	184	184		
Oct.	158	176	167	160	174	117	76	97	138	175	—	166	166		
1869															
Jan.	163	186	175	170	164	115	90	103	138	165	151	158	155		
April	175	191	183	180	188	152	152	152	138	140	162	197	180		
July	150	181	166	180	195	106	90	98	138	140	179	204	192		
Oct.	165	181	173	170	190	106	99	103	138	140	179	158	166		

<sup>1</sup> Prices are for February, May, August, November.

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860–1880.*

Commodity	Meat—Hogs			Meat—Mutton <sup>1</sup>	Meat—Pork	Meat—Sheep			Mercury	Milk	Molasses		
	Market	N. Y.	Cinn.			N. Y.	Cinn.	Av.			Fresh <sup>1</sup>	N. O.	Porto Rico best
1870	*	*				*	*				*	*	
Jan.	163	191	177	180	173	188	103	121	127	140	147	184	166
April	151	171	161	180	168	163	145	154	124	130	151	171	161
July	146	176	161	180	179	113	110	112	124	130	179	178	179
Oct.	144	154	149	180	158	106	97	102	118	140	189	172	181
1871													
Jan.	107	131	119	170	117	115	103	109	164	130	140	158	149
April	111	130	121	170	117	148	117	130	164	130	128	158	148
July	76	87	82	160	90	103	76	90	136	130	123	158	141
Oct.	83	87	85	150	82	106	90	98	153	130	113	145	129
1872													
Jan.	80	92	86	180	88	131	124	128	145	130	102	100	101
April	78	86	82	200	80	175	166	171	151	130	109	—	109
July	72	85	79	200	75	124	117	121	153	130	119	145	132
Oct.	84	96	90	180	87	117	132	125	176	130	138	145	142
1873													
Jan.	76	77	77	160	83	129	166	148	164	130	121	145	133
April	103	111	107	200	106	147	159	153	187	130	130	171	151
July	82	90	86	180	102	106	110	108	196	130	143	171	157
Oct.	86	86	86	160	103	110	97	104	200	130	162	171	167
1874													
Jan.	84	109	97	160	99	129	124	127	235	130	136	145	141
April	88	119	104	200	102	108	172	140	249	130	134	184	159
July	88	124	106	200	114	106	110	108	258	130	153	178	166
Oct.	100	131	116	180	138	110	124	117	291	130	149	171	160
1875													
Jan.	115	141	128	160	121	129	131	130	291	130	119	145	132
April	129	161	145	180	132	126	179	153	155	120	132	158	145
July	131	139	135	180	127	175	110	143	136	120	132	138	135
Oct.	137	159	148	160	134	120	117	119	173	120	126	132	129
1876													
Jan.	126	143	135	160	127	113	138	126	127	125	104	132	118
April	135	166	151	180	141	147	166	157	115	120	100	153	127
July	115	126	121	180	123	106	117	112	91	120	100	145	123
Oct.	105	111	108	160	105	110	110	110	95	125	102	153	128
1877													
Jan.	109	136	123	150	107	118	138	128	96	125	102	145	124
April	92	104	98	180	91	129	152	141	87	110	94	145	120
July	86	95	91	180	86	115	97	106	85	100	91	171	131
Oct.	88	106	97	150	87	99	110	105	98	120	75	158	117
1878													
Jan.	75	86	81	140	76	97	117	107	91	120	75	95	85
April	62	76	69	150	63	114	131	123	89	100	75	92	84
July	70	87	79	130	64	92	90	91	85	100	75	137	106
Oct.	64	72	68	120	54	90	97	94	85	120	75	137	106
1879													
Jan.	51	58	55	125	46	87	110	99	78	120	68	105	87
April	67	77	72	140	65	115	137	126	75	100	62	105	84
July	65	77	71	140	62	94	86	90	71	100	68	95	82
Oct.	66	75	71	120	57	90	103	97	75	100	68	95	82
1880													
Jan.	79	90	85	120	77	101	124	113	78	100	—	—	—
April	76	90	83	140	70	126	157	142	75	110	100	111	106
July	73	84	79	140	74	87	116	102	76	110	100	132	116
Oct.	86	100	93	130	102	90	126	108	78	110	118	132	123

<sup>1</sup> Prices are for February, May, August, November.



TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.*

Commodity	Market	Muriatic Acid	Oats N. Y.	Optum	Oxide of Zinc	2-hoop No. 1	2-hoop No. 2	3-hoop	Av.	Pine boards	Pine	Powder	Putty	Quicksilver
Refer.	258		32	259	228	282	282	283		229	233	290	235	204
Unit	lb.		bu.	lb.	lb.	doz.	doz.	doz.		M. ft	M. ft	25 lb. kg	lb.	lb.
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
price	.03	.41%	5.75	.045	1.40	1.35	1.60			31.25	8.00	5.00	.03	.4875
1860					*	*	*							
Jan.	100	111	100	111	100	100	100	100	100	106	100	100	100	100
April	100	103	122	111	100	100	100	100	100	106	100	100	100	112
July	100	95	96	100	100	100	100	100	100	100	100	100	100	113
Oct.	100	92	104	100	100	100	100	100	100	106	125	100	100	114
1861														
Jan.	100	90	83	100	98	100	100	99	106	125	100	117	113	
April	100	80	91	100	98	100	100	99	106	125	100	117	109	
July	100	72	96	100	98	100	100	99	106	125	120	117	99	
Oct.	100	83	100	100	98	98	97	98	106	125	120	117	96	
1862														
Jan.	117	99	87	100	93	93	94	93	106	188	140	133	96	
April	117	93	87	100	93	93	94	93	110	188	120	133	88	
July	117	103	109	100	107	107	106	107	106	188	130	133	115	
Oct.	117	138	125	100	121	119	119	120	110	194	130	133	129	
1863														
Jan.	100	166	146	100	121	122	125	123	110	200	130	150	140	
April	100	200	174	144	150	152	147	150	132	200	135	150	164	
July	100	178	148	144	139	139	138	139	132	200	135	150	164	
Oct.	100	168	170	139	139	139	141	140	148	200	147	150	160	
1864														
Jan.	133	224	170	144	161	163	156	160	148	200	145	167	185	
April	133	214	204	156	179	183	176	179	164	200	152	167	256	
July	133	238	243	189	179	181	177	179	196	200	174	167	390	
Oct.	133	208	300	200	179	183	178	180	196	200	172	167	308	
1865														
Jan.	150	261	122	200	179	183	178	180	196	200	180	183	256	
April	150	212	117	200	179	181	178	179	196	200	175	183	195	
July	150	177	103	178	143	147	141	144	196	200	170	183	154	
Oct.	150	144	126	200	214	219	203	212	228	200	170	183	174	
1866														
Jan.	167	122	151	200	196	196	187	193	228	200	170	200	256	
April	167	115	109	200	179	196	187	187	238	200	155	200	174	
July	167	147	109	222	179	181	178	179	228	200	150	200	181	
Oct.	167	137	126	222	179	181	178	179	228	200	150	200	174	
1867														
Jan.	133	154	117	200	168	167	172	169	228	125	152	217	174	
April	133	163	117	211	152	144	150	149	228	125	150	217	108	
July	133	174	122	211	143	156	150	150	180	125	130	217	154	
Oct.	133	182	116	211	143	148	144	145	186	125	130	217	160	
1868														
Jan.	100	205	108	200	136	135	130	134	186	125	130	217	154	
April	100	206	130	189	129	135	130	131	190	125	134	217	108	
July	100	195	123	200	136	130	123	130	196	125	130	217	156	
Oct.	100	174	150	200	143	130	123	132	180	125	133	217	108	
1869														
Jan.	83	184	248	167	139	126	122	129	180	125	135	183	108	
April	83	184	226	167	139	130	128	132	196	125	130	183	108	
July	83	185	170	178	143	133	128	135	180	125	130	183	108	
Oct.	83	153	143	178	143	133	128	135	180	125	130	183	108	

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860–1880.*

Commodity	Muriatic Acid	Oats	Optum	Oxide of Zinc	2-hoop No. 1	2-hoop No. 2	3-hoop Palls— Wooden	Av.	Pine boards	Pine Lumber in log	Powder Rifle	Putty	Quicksilver
1870													
Jan.	83	151	174	178	143	130	125	133	180	125	115	150	105
April	83	140	194	144	143	130	125	133	180	125	115	150	105
July	83	157	187	144	139	130	125	131	161	125	120	150	123
Oct.	83	128	161	144	143	130	125	133	154	125	115	150	133
1871													
Jan.	67	146	128	144	143	130	125	133	154	150	115	117	185
April	67	165	100	144	136	130	125	130	180	150	115	117	169
July	67	155	102	144	139	130	125	131	180	143	115	117	154
Oct.	67	127	85	144	139	130	125	131	180	150	115	117	164
1872													
Jan.	58	134	87	156	136	122	116	125	180	150	120	100	164
April	58	130	99	156	136	130	125	130	180	150	120	100	170
July	58	104	104	178	136	130	125	130	186	150	120	100	205
Oct.	58	105	116	200	136	137	131	135	190	150	120	100	191
1873													
Jan.	58	110	124	200	136	130	125	130	190	150	125	92	190
April	58	119	104	194	136	130	125	130	193	150	125	92	210
July	58	110	126	189	136	122	119	126	190	150	115	92	226
Oct.	58	125	126	178	125	130	125	127	180	150	120	92	226
1874													
Jan.	58	146	113	178	125	130	125	127	180	152	125	92	267
April	58	137	117	178	125	122	122	123	190	151	125	92	277
July	58	141	139	178	114	122	119	118	180	151	125	92	297
Oct.	58	146	130	156	114	111	109	111	180	150	125	92	328
1875													
Jan.	67	166	154	156	114	111	109	111	182	150	105	92	295
April	67	172	143	133	114	115	112	114	182	150	105	92	160
July	67	152	113	156	114	107	106	109	164	150	95	92	154
Oct.	67	108	110	156	107	104	100	104	138	150	95	92	178
1876													
Jan.	67	114	106	133	107	104	103	105	148	150	95	92	144
April	67	116	91	133	100	93	91	95	148	150	110	108	127
July	67	93	110	122	93	93	91	92	142	150	110	92	103
Oct.	67	103	118	133	93	93	91	92	142	150	110	108	101
1877													
Jan.	67	105	113	139	93	89	88	90	142	150	110	108	109
April	75	111	103	139	86	89	88	88	142	150	110	108	92
July	75	102	99	133	89	89	88	89	142	150	110	108	96
Oct.	75	81	88	128	86	89	88	88	132	150	113	83	108
1878													
Jan.	71	94	85	117	86	78	78	81	132	150	113	83	98
April	67	84	82	117	79	81	81	80	142	150	113	83	99
July	67	72	74	106	79	81	78	79	132	150	113	83	91
Oct.	58	69	78	106	75	74	72	74	138	150	113	83	94
1879													
Jan.	50	73	81	83	71	70	69	70	138	150	115	83	87
April	58	76	77	72	71	70	69	70	164	150	115	83	82
July	67	92	83	72	71	70	69	70	164	150	115	83	77
Oct.	75	86	87	72	86	70	69	75	164	150	115	83	79
1880													
Jan.	83	123	83	94	107	81	78	89	164	150	120	108	86
April	75	96	122	128	107	111	106	108	164	150	125	108	83
July	71	84	137	122	100	93	89	94	164	150	120	108	85
Oct.	67	101	124	100	100	93	91	95	164	150	120	83	85

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.*

Commodity	Quinine	Rice	Rope				Rubber	Rye	Salt			Shir-blecuit	Shovels
			Manilla	Tarred Amer-ican	Tarred Rus-sian	Av.	Para		Ash-ton's	Turk's Island	Av.		
Market Refer.	260	96	205	207	208		291	35	97	100		72	213
Unit.	oz.	lb.	lb.	lb.	lb.		lb	bu.	224 lbs.	bu.		lb.	doz.
Base	\$	\$	\$	\$	\$		\$	\$	\$	\$		\$	\$
price	1.10	.0425	.0825	.0925	.095		.55	.83%	1.95	.20		.04	10.88
1860			*	*	*				*	*			
Jan.	100	100	100	100	100	100	100	107	100	100	100	100	100
April	123	106	100	100	100	100	109	100	77	90	84	100	100
July	136	112	97	100	97	98	123	99	90	98	99	100	100
Oct.	159	115	97	100	100	99	118	94	82	100	91	100	100
1861													
Jan.	155	91	97	—	103	100	100	—	82	85	84	113	100
April	173	94	106	108	111	108	68	77	82	95	89	113	100
July	—	185	94	105	105	101	82	—	82	100	91	100	100
Oct.	191	171	91	—	100	96	77	82	85	120	103	100	100
1862													
Jan.	227	182	121	119	121	120	87	101	87	100	94	100	95
April	205	171	180	119	121	123	91	94	92	120	106	100	95
July	236	176	124	114	126	121	105	87	92	150	121	100	99
Oct.	259	—	145	130	158	144	122	75	105	155	130	100	99
1863													
Jan.	255	—	152	143	168	154	159	107	110	150	130	125	103
April	266	—	218	165	189	191	155	126	144	185	165	125	—
July	264	—	173	162	189	175	132	121	138	210	174	125	—
Oct.	227	—	185	154	—	170	136	130	131	220	176	125	128
1864													
Jan.	232	—	197	165	—	181	145	152	144	240	192	194	136
April	273	—	230	165	—	198	151	151	174	250	212	194	161
July	295	—	255	168	—	212	173	236	231	300	266	194	200
Oct.	305	—	303	205	—	254	218	173	256	500	378	194	200
1865													
Jan.	295	282	285	200	—	243	218	203	244	330	287	188	184
April	232	259	242	195	—	219	155	145	162	250	206	188	184
July	200	229	242	195	—	219	127	101	167	255	211	138	134
Oct.	268	282	273	195	—	234	136	119	213	275	244	138	134
1866													
Jan.	232	282	291	205	—	248	182	121	208	210	209	162	134
April	223	277	239	189	179	202	145	101	179	250	215	162	134
July	245	282	230	184	184	199	141	143	141	263	202	169	142
Oct.	241	341	258	189	184	210	136	149	128	228	178	169	142
1867													
Jan.	209	209	267	200	195	221	118	142	141	280	211	175	142
April	205	235	255	195	189	213	145	166	133	263	198	175	142
July	195	259	255	195	189	213	145	164	133	213	173	181	142
Oct.	205	259	270	195	189	218	166	192	133	250	192	181	142
1868													
Jan.	182	202	233	195	189	206	123	209	133	240	187	188	142
April	186	253	242	195	189	209	150	229	128	225	177	188	142
July	205	248	236	173	168	192	150	206	128	225	177	175	142
Oct.	227	206	261	173	168	201	155	179	128	235	182	175	142
1869													
Jan.	200	206	242	173	168	194	149	187	128	240	184	150	142
April	227	206	248	173	168	196	153	167	128	215	172	150	142
July	214	212	279	162	168	203	182	149	128	225	177	125	142
Oct.	218	212	279	162	158	200	177	139	128	230	179	125	142

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860–1880.*

Commodity	Quinine	Rice	Manila	Tarred Ameri- can	Rope Tarred Rus- sian	Av.	Rubber Para	Rye	Ash- ton's	Salt Turk's Island	Av.	Ship- Biscuit	Shovels
1870			*	*	*				*	*			
Jan.	200	171	278	162	158	198	182	128	128	205	167	125	142
April	200	141	255	162	168	195	178	115	123	190	157	125	142
July	200	212	242	151	158	184	191	125	159	200	180	112	118
Oct.	214	221	236	151	147	178	172	107	154	200	177	125	118
1871													
Jan.	209	171	218	151	147	172	182	124	167	210	189	131	118
April	214	206	194	151	147	164	186	134	164	210	187	131	118
July	214	218	212	151	147	170	147	119	162	215	189	138	118
Oct.	232	212	242	151	147	180	142	111	154	225	190	138	118
1872													
Jan.	227	206	236	141	137	171	132	109	144	225	185	150	118
April	227	212	224	141	137	167	156	105	167	190	179	150	125
July	227	219	224	130	126	160	153	99	154	205	180	150	128
Oct.	250	212	212	124	132	156	127	101	154	175	165	150	128
1873													
Jan.	227	194	212	124	132	156	135	110	154	150	152	150	128
April	227	200	212	124	132	156	135	101	154	150	152	150	128
July	241	200	206	119	126	150	138	101	169	143	156	150	126
Oct.	241	218	206	119	126	150	122	106	167	155	161	150	120
1874													
Jan.	227	200	188	119	126	144	136	127	154	125	140	150	123
April	227	206	194	119	126	146	124	122	154	125	140	150	123
July	227	203	182	114	126	141	115	131	141	140	141	150	123
Oct.	223	185	176	119	126	140	109	112	141	130	136	138	123
1875													
Jan.	205	188	170	119	126	138	106	113	141	125	133	125	123
April	209	182	164	141	137	147	125	116	141	130	136	125	123
July	207	188	170	141	137	149	123	118	131	118	125	125	112
Oct.	209	194	164	141	137	147	114	107	128	110	119	125	112
1876													
Jan.	182	168	164	130	137	144	116	109	128	105	117	131	107
April	200	159	164	130	137	144	111	104	128	100	114	131	107
July	200	162	158	119	126	134	115	104	128	115	122	125	99
Oct.	227	144	164	119	126	136	106	98	128	135	132	125	99
1877													
Jan.	273	153	170	119	126	138	105	102	128	135	132	125	92
April	409	153	164	119	126	136	104	101	128	135	132	125	92
July	386	159	164	119	126	136	100	101	128	140	134	125	92
Oct.	309	162	152	119	126	132	95	89	128	140	134	125	92
1878													
Jan.	273	153	139	108	116	121	89	91	128	113	121	125	89
April	432	147	139	108	116	121	78	101	128	110	119	125	89
July	318	147	139	97	116	117	89	76	128	125	127	125	89
Oct.	345	165	133	97	116	115	91	77	128	125	127	125	89
1879													
Jan.	327	150	124	97	116	112	93	70	128	120	124	125	82
April	350	150	124	97	116	112	91	74	128	125	127	125	82
July	309	150	139	97	116	117	125	76	128	125	127	125	82
Oct.	273	174	145	108	116	123	133	96	128	150	139	125	88
1880													
Jan.	236	176	164	124	121	136	147	117	128	125	127	125	93
April	295	176	164	135	121	140	167	110	128	125	127	125	93
July	273	165	133	135	121	130	164	116	128	125	127	125	93
Oct.	268	165	145	135	121	134	140	115	128	125	127	125	93

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.*

Commodity	Silk		Soap		Soda		Spruce		On-		Starch		Silver		Starch		Sugar	
	Raw		Castile		Ash		Boards		tario		Pure		Re-		Corn		Fair	
	Italian												fin-				refin-	
	Refer.	1835	101	261	238	106	107	108	109	110	105	112	114					
Unit	lb.	lb.	lb.	M. ft.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.					
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$					
price	9.00	.085	.02375	12.00	.045	.054	.0585	.063	.06975		.0765	.0725	.10					
1860						*	*	*	*	*		*	*				*	*
Jan.	100	100	100	92	100	100	100	100	100	100	100	100	100	100	100	100	100	100
April	100	115	100	92	100	100	100	100	100	100	100	93	98					
July	106	118	95	100	100	100	100	100	100	100	100	91	100					
Oct.	100	109	89	100	100	100	100	100	100	100	100	86	94					
1861																		
Jan.	100	115	89	100	100	100	100	100	100	100	100	74	84					
April	83	112	89	100	100	100	100	100	100	100	100	66	80					
July	78	118	79	88	100	100	100	100	100	100	100	64	78					
Oct.	72	141	105	83	100	92	92	93	94	94	94	107	109					
1862																		
Jan.	72	153	121	83	100	92	92	93	94	94	94	107	110					
April	72	159	111	83	100	92	92	93	94	94	94	102	103					
July	83	156	105	79	100	92	92	93	94	94	94	102	105					
Oct.	81	165	116	98	110	100	100	100	100	102	100	121	129					
1863																		
Jan.	75	171	126	98	130	117	115	114	113	118	112	131	133					
April	72	203	142	98	140	125	123	121	119	126	118	134	145					
July	67	200	142	131	130	117	115	114	113	118	112	141	148					
Oct.	67	194	142	127	130	117	115	114	113	118	112	159	146					
1864																		
Jan.	69	218	153	127	160	142	138	136	132	142	129	166	169					
April	75	206	168	177	180	158	154	150	145	157	141	207	179					
July	89	282	221	202	200	175	169	164	158	173	153	269	300					
Oct.	94	247	205	192	244	192	185	179	171	194	165	221	255					
1865																		
Jan.	89	294	274	192	240	208	200	193	184	205	176	245	285					
April	100	247	111	169	240	208	200	193	184	205	176	141	180					
July	111	194	89	169	200	175	169	164	158	173	153	159	195					
Oct.	100	253	137	169	200	175	169	164	158	173	153	190	203					
1866																		
Jan.	103	232	274	169	200	175	169	164	158	173	153	159	185					
April	94	212	189	202	180	158	154	150	145	157	141	141	160					
July	103	224	105	202	180	158	154	150	145	157	141	145	168					
Oct.	106	212	137	183	180	158	154	150	145	157	141	145	163					
1867																		
Jan.	106	200	121	183	200	175	169	164	158	173	153	134	150					
April	111	200	111	158	200	175	169	164	158	173	153	138	148					
July	103	212	105	158	200	175	169	164	158	173	153	159	166					
Oct.	103	200	116	158	200	175	169	161	158	173	153	162	168					
1868																		
Jan.	100	188	95	158	200	175	169	164	158	173	153	159	168					
April	133	194	105	162	200	175	169	164	158	173	153	148	168					
July	128	194	95	175	200	175	169	164	158	173	153	157	168					
Oct.	117	215	100	173	200	175	169	164	158	173	153	152	166					
1869																		
Jan.	111	176	95	173	200	175	169	164	158	173	153	155	153					
April	100	156	95	177	180	158	154	150	145	157	141	157	170					
July	94	156	95	175	180	158	154	150	145	157	141	157	158					
Oct.	100	153	95	177	180	158	154	150	145	157	141	164	168					

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.*

Commodity	Silk		Soap	Soda	Spruce		Starch				Starch	Sugar		
	Raw Italian	Castile			Ash	Boards	On-tario *	Pearl *	Pure *	Re-fined *		Silver Gloss *	Av.	Corn
1870														
Jan.	94	153	95	177	180	158	154	150	145	157	141	145	149	
April	97	144	95	175	180	158	154	150	145	157	141	126	125	
July	97	135	95	175	180	158	154	150	145	157	141	129	135	
Oct.	89	137	100	142	180	158	154	150	145	157	141	133	133	
1871														
Jan.	89	121	100	142	180	158	154	150	145	157	141	128	141	
April	83	124	105	142	180	158	154	150	145	157	141	124	129	
July	83	131	95	171	160	142	138	136	132	142	129	126	131	
Oct.	100	147	116	171	160	142	138	136	132	142	129	128	130	
1872														
Jan.	100	132	121	171	160	142	138	136	132	142	129	126	124	
April	103	—	211	171	160	142	138	136	132	142	129	117	120	
July	106	141	126	144	160	142	138	136	132	142	129	119	126	
Oct.	100	126	147	144	160	142	138	136	132	142	129	124	125	
1873														
Jan.	97	118	121	144	160	142	138	136	132	142	129	126	123	
April	89	112	126	144	160	142	138	136	132	142	129	110	114	
July	97	112	111	152	160	142	138	136	132	142	129	105	105	
Oct.	89	106	116	146	160	142	138	136	132	142	129	107	113	
1874														
Jan.	83	106	105	146	160	142	138	136	132	142	129	102	105	
April	78	110	95	146	160	142	138	136	132	142	129	103	101	
July	72	106	89	146	160	142	138	136	132	142	129	108	104	
Oct.	67	112	89	146	160	142	138	136	132	142	129	103	113	
1875														
Jan.	67	106	95	146	150	142	138	136	132	140	129	110	106	
April	64	100	95	140	150	142	138	136	132	140	129	109	105	
July	75	99	84	140	150	142	138	136	132	140	129	107	108	
Oct.	56	99	84	140	130	125	123	129	126	127	124	107	110	
1876														
Jan.	61	100	84	140	130	125	123	129	126	127	124	110	104	
April	61	115	84	140	130	125	123	129	126	127	124	103	103	
July	117	106	84	202	130	125	123	129	126	127	124	112	105	
Oct.	89	101	84	202	130	125	123	129	126	127	124	121	108	
1877														
Jan.	89	103	84	202	130	125	123	129	126	127	124	131	118	
April	81	97	79	202	126	122	120	125	122	123	120	119	110	
July	78	97	79	173	126	122	120	125	122	123	120	133	120	
Oct.	78	96	79	173	126	122	120	125	122	123	120	112	105	
1878														
Jan.	67	—	74	173	126	122	120	125	122	123	120	102	86	
April	64	—	68	108	126	122	120	125	122	123	120	103	96	
July	56	—	68	108	97	97	105	111	107	103	103	99	94	
Oct.	56	—	63	108	97	97	105	111	107	103	103	103	93	
1879														
Jan.	56	—	63	110	97	97	105	111	107	103	103	88	89	
April	83	—	68	110	97	97	105	111	107	103	103	86	81	
July	69	—	63	144	97	97	105	111	107	103	103	88	84	
Oct.	69	—	68	144	97	97	105	111	107	103	103	95	88	
1880														
Jan.	69	—	84	144	97	97	105	111	107	103	103	105	98	
April	69	—	84	144	97	97	105	111	107	103	103	105	95	
July	67	—	63	125	97	97	105	111	107	103	103	106	101	
Oct.	61	—	63	142	97	97	105	111	107	103	103	103	104	

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.*

Commodity	Sugar				Sugar of Lead		Sulphuric Acid	Tallow	Tar	Timothy Seed			Tobacco	
	Av.	Brown	White	Av.	N. Y.	Cinn.				Chic.	Av.	Leaf, fine Cinn.	Leaf, Ky. N. Y.	
Market Refer.	262 lb.	263 lb.		265 lb.	115 lb.	239 bbl.	40 bu.	39 bu.	38 bu.		44 100 lbs.	46 lb.		
Unit	\$	\$		\$	\$	\$	\$	\$	\$		\$	\$		
Base price	.075	.115		.0275	.1025	2.50	2.604	2.58	2.472		11.00	.0840		
1860	*	*					*	*	*		*	*		
Jan.	100	100	100	100	100	100	98	94	87	83	88	100	112	
April	96	98	96	95	100	102	100	110	121	113	115	100	98	
July	96	98	96	95	100	98	100	—	—	116	116	—	89	
Oct.	90	100	96	98	100	98	100	96	92	87	92	—	101	
1861														
Jan.	79	100	100	100	109	83	85	98	—	89	94	—	104	
April	78	98	100	97	109	95	108	120	107	85	104	—	98	
July	71	98	100	97	109	78	120	101	—	—	101	—	110	
Oct.	108	98	100	97	109	83	200	72	58	57	62	118	125	
1862														
Jan.	109	127	104	116	127	93	380	77	58	64	66	123	146	
April	103	113	100	107	127	88	370	82	66	65	71	105	152	
July	104	113	104	109	127	93	640	67	—	—	67	127	153	
Oct.	125	127	139	133	127	110	—	74	64	60	66	182	223	
1863														
Jan.	132	167	157	162	109	101	—	110	68	72	83	218	259	
April	140	200	226	213	109	112	—	82	78	59	73	236	312	
July	145	200	174	187	109	110	—	94	—	—	94	236	238	
Oct.	153	120	139	130	109	110	—	94	99	91	95	205	213	
1864														
Jan.	168	187	191	189	109	126	540	104	120	110	111	218	262	
April	193	213	209	211	109	124	960	106	110	101	106	218	262	
July	285	213	287	250	145	166	720	120	—	—	120	218	253	
Oct.	238	640	478	559	173	143	600	192	229	162	194	205	318	
1865														
Jan.	265	533	413	473	173	176	400	226	227	218	224	295	333	
April	161	533	391	462	182	107	240	211	174	152	179	318	387	
July	177	493	348	421	182	102	260	134	—	181	158	341	226	
Oct.	197	—	435	435	182	141	600	182	155	144	160	341	297	
1866														
Jan.	172	320	391	356	182	122	160	163	140	129	144	250	297	
April	151	333	348	341	200	118	120	163	136	147	149	205	297	
July	157	400	383	392	182	122	120	259	178	—	219	205	297	
Oct.	154	360	261	311	164	127	120	127	128	114	123	205	232	
1867														
Jan.	142	400	278	339	—	111	100	123	116	105	115	205	131	
April	143	333	261	297	—	109	120	149	101	112	121	150	131	
July	163	333	235	284	109	111	170	122	97	110	110	150	132	
Oct.	165	333	235	284	109	118	150	112	103	86	100	168	158	
1868														
Jan.	164	333	217	275	91	108	120	101	95	95	97	205	164	
April	158	213	217	215	91	122	130	98	95	87	93	205	169	
July	163	213	217	215	91	117	180	98	89	86	91	205	164	
Oct.	159	227	217	222	91	124	150	120	122	107	116	205	158	
1869														
Jan.	154	227	217	222	127	117	130	115	112	111	113	195	143	
April	164	227	217	222	109	112	150	139	116	116	124	155	161	
July	158	227	217	222	73	115	125	192	—	182	187	164	—	
Oct.	166	227	217	222	91	112	156	178	155	126	153	173	143	

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.*

Commodity	Sugar				Sulphuric Acid	Tallow	Tar	Timothy Seed			Tobacco		
	Av.	Brown	White	Av.				N. Y.	Cinn.	Chic.	Av.	Leaf Fine	Leaf Ky.
Market													
1870		*	*					*	*	*		*	*
Jan.	147	160	243	202	109	99	110	158	151	152	154	155	125
April	126	160	187	174	73	94	100	216	233	217	222	155	134
July	132	160	187	174	73	98	80	283	—	—	283	145	126
Oct.	133	160	187	174	73	89	90	226	194	166	195	205	122
1871													
Jan.	135	160	187	174	73	88	94	230	208	241	225	159	106
April	127	160	187	174	64	88	110	278	223	212	222	159	106
July	129	160	187	174	64	92	140	149	—	152	151	164	98
Oct.	129	158	183	168	64	92	120	120	120	101	114	250	119
1872													
Jan.	125	147	165	156	55	89	140	130	116	127	124	241	119
April	119	160	157	159	55	88	140	125	109	99	111	241	126
July	123	160	143	152	55	90	130	125	—	109	117	205	126
Oct.	125	173	143	158	55	90	152	149	122	118	128	218	134
1873													
Jan.	125	167	139	153	55	85	140	130	124	131	128	236	134
April	112	167	152	160	73	87	160	143	120	129	131	245	123
July	105	167	143	155	91	83	170	166	132	127	142	245	122
Oct.	110	167	139	153	91	78	150	125	118	99	114	245	122
1874													
Jan.	104	167	139	153	91	76	115	134	114	113	120	150	116
April	102	167	172	170	91	76	120	120	114	101	112	273	109
July	106	167	174	171	91	81	110	115	—	109	112	223	173
Oct.	108	167	170	169	73	85	110	108	101	105	105	309	187
1875													
Jan.	108	167	165	166	73	87	95	107	97	105	103	318	186
April	107	167	161	164	64	85	90	104	97	95	99	314	186
July	108	167	157	162	55	88	95	104	93	105	101	314	186
Oct.	109	167	157	162	45	102	88	110	93	91	98	314	172
1876													
Jan.	107	167	157	162	59	96	80	106	89	99	98	250	152
April	103	160	130	145	64	85	90	104	86	95	95	245	125
July	109	160	143	152	64	84	80	108	104	101	104	245	155
Oct.	115	160	161	161	55	84	80	72	68	71	70	209	149
1877													
Jan.	125	100	161	131	64	84	110	73	69	69	70	209	134
April	115	100	163	132	41	78	90	73	60	63	65	209	134
July	127	100	163	132	41	79	100	75	64	71	70	209	116
Oct.	109	100	163	132	41	76	100	63	52	53	56	209	113
1878													
Jan.	94	100	163	132	45	74	90	54	48	49	50	164	113
April	100	100	165	133	36	73	80	54	47	49	50	164	83
July	97	97	165	131	36	68	90	52	47	49	49	164	86
Oct.	98	97	165	131	45	68	100	115	47	45	69	205	98
1879													
Jan.	89	110	165	138	55	65	80	56	41	44	47	227	—
April	84	110	135	123	36	64	112	52	48	48	49	227	86
July	86	110	122	116	36	59	90	66	58	59	61	191	86
Oct.	92	120	132	121	36	60	80	101	78	77	85	182	—
1880													
Jan.	102	123	120	122	36	66	90	106	99	107	104	200	98
April	100	133	113	123	36	59	90	115	91	93	100	205	98
July	104	127	113	120	36	61	80	108	86	93	96	150	95
Oct.	104	120	113	117	36	62	90	106	91	92	96	214	98



TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.*

Commodity	Tobacco				Turpentine		Tubs—wooden				Vegetables		
	Av.		Wrap-	Wrap-	Av.	(1)	(2)	(3)	(4)	Av.	(1) <sup>1</sup>	Potatoes	Av.
	Leaf	Conn.	pers	pers								(2)	
	Refer.	43	57	59									
Unit	100				240	284	285	286	287		118	119	
Base	lba.	lb.	lb.		gal.	nest	nest	nest	nest		bbl.	bu.	
price	6.375	.17	.13		.40	of 3	of 8	of 3	of 8		\$	\$	
1860	*	*	*		*	*	*	*	*		*	*	
Jan.	100	126	100	108	110	100	100	100	100	100	100	144	122
April	100	91	100	98	115	100	100	100	98	100	100	138	119
July	—	91	100	93	100	100	100	97	93	98	129	113	121
Oct.	—	91	100	97	105	100	100	90	89	95	100	100	100
1861													
Jan.	—	91	100	98	88	90	94	90	89	91	100	113	107
April	—	91	100	96	90	90	94	90	89	91	129	119	124
July	—	74	88	91	205	90	94	90	89	91	114	144	129
Oct.	84	74	88	98	363	90	94	86	87	89	114	106	110
1862													
Jan.	145	74	88	115	350	90	84	81	80	84	129	113	121
April	116	94	104	114	245	100	100	90	99	97	129	125	127
July	148	94	104	125	325	110	100	97	96	101	100	106	103
Oct.	222	118	131	175	563	120	113	105	104	111	129	106	118
1863													
Jan.	241	118	131	193	625	140	138	124	124	132	121	113	117
April	284	191	173	239	675	148	143	128	127	137	107	131	119
July	284	191	173	224	895	148	143	131	129	138	129	131	130
Oct.	220	191	173	200	688	152	150	131	129	141	143	125	134
1864													
Jan.	255	191	173	220	750	170	163	148	144	156	129	156	143
April	253	235	231	240	800	190	169	166	151	169	214	231	223
July	220	265	269	245	900	200	175	176	158	177	343	288	316
Oct.	216	265	269	255	608	170	169	148	149	159	171	200	186
1865													
Jan.	261	265	269	285	513	180	150	170	154	164	243	238	241
April	247	176	135	253	500	140	194	124	127	146	143	213	178
July	273	135	96	214	338	160	156	145	140	150	143	113	128
Oct.	240	162	115	231	263	170	163	148	144	156	157	194	176
1866													
Jan.	237	169	115	214	250	240	212	203	178	208	157	150	154
April	216	169	115	200	217	200	200	183	189	193	171	175	173
July	216	169	115	200	203	200	200	169	167	184	229	269	249
Oct.	212	169	115	187	167	200	188	155	167	178	157	119	138
1867													
Jan.	210	206	162	183	167	160	163	155	164	161	164	169	167
April	139	235	—	164	192	160	156	126	133	144	314	194	254
July	139	324	231	195	147	150	150	124	133	139	171	156	164
Oct.	166	191	238	184	145	160	156	117	122	139	257	188	223
1868													
Jan.	196	191	192	190	128	130	138	110	118	124	271	281	276
April	193	235	192	199	167	130	138	114	122	126	300	350	325
July	193	250	165	195	110	130	138	112	111	123	157	188	173
Oct.	216	235	204	204	107	150	150	112	111	131	186	200	193
1869													
Jan.	199	324	335	239	120	140	131	103	116	123	164	213	189
April	161	265	212	191	128	148	144	110	116	130	154	194	174
July	174	235	212	196	105	140	138	114	116	127	143	138	141
Oct.	172	235	281	201	109	150	150	128	129	139	114	156	135

<sup>1</sup> Prices are for February, May, August, November.

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters.: 1860-1880.*

Commodity	Tobacco				Turpentine	Tubs—wooden				Av.	Vegetables		
	Av. Leaf *	Wrappers Conn. *	Penn. *	Av.		(1) *	(2) *	(3) *	(4) *		(1) <sup>1</sup> *	(2) *	Av.
1870													
Jan.	176	253	308	203	110	150	150	128	129	139	129	169	149
April	176	368	308	228	117	140	138	110	116	126	114	156	135
July	182	294	308	201	95	120	125	107	113	116	171	238	205
Oct.	160	265	308	212	100	150	150	112	118	133	157	194	176
1871													
Jan.	157	221	258	180	122	134	138	114	118	126	214	256	235
April	157	221	231	175	130	140	135	114	118	127	214	268	239
July	139	253	238	178	117	140	125	114	118	124	129	363	246
Oct.	230	176	269	209	162	130	125	114	118	122	171	138	155
1872													
Jan.	235	176	269	208	172	120	125	103	107	114	121	146	134
April	235	191	269	212	172	120	125	107	122	119	157	173	165
July	214	176	269	198	117	120	125	114	118	119	171	50	111
Oct.	209	147	269	195	162	120	128	114	118	120	171	125	148
1873													
Jan.	256	147	177	190	150	124	130	107	122	121	200	231	216
April	256	279	277	236	147	124	128	110	116	120	214	208	210
July	256	279	277	236	112	120	130	107	116	118	200	269	235
Oct.	256	197	315	227	108	128	130	107	116	120	114	125	120
1874													
Jan.	169	197	327	192	104	120	125	107	116	117	171	231	201
April	245	197	327	230	116	120	125	107	113	116	229	225	227
July	224	141	250	202	90	104	115	107	113	110	129	269	199
Oct.	323	132	223	235	91	104	115	103	109	108	129	144	137
1875													
Jan.	341	132	223	240	88	112	113	103	111	110	143	173	158
April	335	132	223	238	90	112	110	103	111	109	157	169	163
July	335	132	223	238	83	104	105	100	109	105	93	256	175
Oct.	313	103	204	221	83	100	105	95	100	100	136	106	121
1876													
Jan.	269	103	204	196	95	100	100	97	100	99	100	119	110
April	259	109	138	175	105	100	100	90	91	95	100	106	103
July	259	118	146	185	78	88	88	90	91	89	200	88	144
Oct.	204	132	150	169	88	88	88	90	93	90	186	152	169
1877													
Jan.	205	132	150	166	113	88	90	79	82	85	214	244	229
April	205	115	308	194	95	88	93	83	82	87	214	263	239
July	205	147	308	194	78	88	88	83	82	85	79	244	162
Oct.	205	126	288	188	88	88	85	83	82	85	100	125	113
1878													
Jan.	176	126	288	173	81	88	85	79	84	84	114	138	126
April	173	118	269	161	78	80	80	83	78	80	143	119	131
July	173	118	269	162	73	80	78	72	78	77	114	63	89
Oct.	199	140	196	168	70	80	78	72	78	77	129	175	152
1879													
Jan.	229	—	—	228	70	80	75	72	82	77	114	231	173
April	229	126	231	180	85	80	75	69	73	74	186	194	190
July	217	126	231	170	69	80	75	72	78	76	100	231	166
Oct.	188	—	—	185	78	84	78	72	73	77	100	119	110
1880													
Jan.	218	140	196	170	110	128	125	103	107	116	100	125	113
April	222	140	196	172	100	112	115	110	111	112	100	113	107
July	169	140	204	152	70	112	115	83	93	101	129	94	112
Oct.	209	140	204	173	100	96	95	86	87	91	114	138	126

<sup>1</sup> Prices are for February, May, August, November.

TABLE 2—(CONTINUED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.*

Commodity	Wheat				Window Glass				Wood-screws	Wool			
	Spring		Winter		Amer- ican firsts	French		Av.		Ohio fleece coarse	Ohio fleece fine	Ohio fleece medium	Av.
	New York	Chi- cago	New York	Av.		firsts	thirds			East.	East.	East.	
										Mkt.	Mkt.	Mkt.	
Market Refer.	62	60	68		241	242	243		218				
Unit	bu.	bu.	bu.		50 ft	50 ft	50 ft		gross	lb.	lb.	lb.	
Base price	\$	\$	\$		\$	\$	\$		\$	\$	\$	\$	
	1.24 %	.975	1.38 %		2.40	3.20	2.175		.222	.42	.60	.50	
1860	*	*	*		*	*	*		*	*	*	*	
Jan.	105	99	102	102	92	85	106	94	100	100	100	100	
April	98	105	105	103	92	100	106	99	100	95	87	90	
July	103	108	102	104	100	100	100	100	81	95	92	100	
Oct.	94	88	91	91	100	100	100	100	117	95	83	90	
1861													
Jan.	97	82	98	92	100	94	100	98	117	88	75	80	
April	102	81	99	94	100	109	98	102	117	76	75	74	
July	65	57	78	67	100	96	98	98	117	52	63	60	
Oct.	94	74	95	88	100	96	109	102	117	119	78	96	
1862													
Jan.	103	70	103	92	100	96	119	105	117	119	80	100	
April	102	74	97	91	100	96	141	112	117	102	77	90	
July	85	75	86	82	100	96	156	117	117	107	80	94	
Oct.	92	83	93	89	100	96	147	114	117	150	100	120	
1863													
Jan.	108	86	107	99	133	115	141	130	135	167	125	136	
April	99	110	125	111	133	141	156	143	158	190	133	170	
July	102	97	108	102	153	133	156	147	158	155	125	140	
Oct.	103	104	98	102	131	117	156	135	119	181	142	160	
1864													
Jan.	118	115	116	116	131	125	185	147	158	181	133	156	
April	131	114	126	124	257	146	185	196	158	171	130	154	
July	193	199	190	194	208	223	225	219	216	214	167	200	
Oct.	149	149	143	147	250	206	254	237	216	238	172	190	
1865													
Jan.	184	160	185	176	242	232	260	245	216	229	170	200	
April	137	101	134	124	210	193	219	207	216	179	133	160	
July	103	92	107	101	178	155	150	161	216	155	125	146	
Oct.	141	126	166	144	226	180	178	195	216	155	125	150	
1866													
Jan.	139	98	148	128	242	180	219	214	216	119	117	130	
April	112	93	141	115	226	180	219	208	216	114	108	120	
July	155	119	177	150	226	180	191	199	216	143	117	134	
Oct.	177	195	199	190	226	180	191	199	216	133	105	120	
1867													
Jan.	181	196	224	200	226	180	191	199	216	119	113	106	
April	199	227	229	218	210	159	191	187	216	119	100	110	
July	157	177	173	169	178	142	178	166	216	107	92	98	
Oct.	193	192	195	193	183	169	180	177	144	95	80	92	
1868													
Jan.	193	201	195	196	155	137	157	150	144	90	80	86	
April	197	196	197	197	155	169	170	165	132	107	83	96	
July	162	184	166	171	141	141	141	141	132	102	77	90	
Oct.	135	142	154	144	172	141	142	152	132	107	80	96	
1869													
Jan.	127	118	134	126	172	141	142	152	132	114	83	100	
April	117	112	—	115	172	141	131	151	132	114	83	100	
July	118	128	104	117	155	127	141	141	132	112	80	96	
Oct.	108	110	102	107	155	148	137	147	132	110	80	96	

TABLE 2—(CONCLUDED).

*Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.*

Commodity	Wheat				Window Glass				Wood-screws	Wool			
	Spring	Spring No. 2	Winter	Av.	Amer. firsts	French firsts	French thirds	Av.		Ohio coarse	Fleece fine	medium	Av.
1870													
Jan.	101	79	93	91	137	140	137	138	132	105	80	92	92
April	87	78	89	85	124	146	137	136	132	110	80	94	95
July	98	106	103	102	108	103	123	111	125	102	77	90	90
Oct.	95	114	94	101	137	131	137	135	122	105	80	96	94
1871													
Jan.	108	113	107	109	137	133	127	132	129	102	78	92	91
April	123	130	121	125	137	141	137	138	129	112	83	104	100
July	117	127	112	119	124	107	147	126	148	131	103	120	118
Oct.	128	127	121	125	137	114	123	125	148	138	105	124	122
1872													
Jan.	124	124	114	121	219	120	123	154	148	157	117	145	140
April	123	124	123	123	225	160	170	185	170	181	133	160	158
July	124	124	119	122	202	160	147	170	170	155	120	140	138
Oct.	130	123	113	122	202	160	156	173	213	136	110	120	122
1873													
Jan.	133	123	139	132	169	160	152	160	213	155	117	136	136
April	135	123	139	132	179	168	156	168	224	114	93	106	104
July	121	119	114	118	179	128	172	160	224	105	83	96	95
Oct.	116*	104	117	112	179	133	142	151	224	112	90	106	103
1874													
Jan.	129	122	120	124	179	106	127	137	197	112	97	108	106
April	125	125	117	122	179	120	127	142	197	112	93	112	106
July	112	119	101	111	179	110	137	142	197	110	88	106	101
Oct.	93	97	85	92	179	115	137	144	192	112	90	108	103
1875													
Jan.	92	93	93	93	192	118	137	149	192	112	92	112	105
April	96	99	98	96	150	143	147	147	152	110	90	104	101
July	96	107	98	100	129	130	147	135	152	110	87	98	98
Oct.	105	116	99	107	107	133	147	129	108	100	80	100	93
1876													
Jan.	98	99	99	99	107	111	142	120	93	100	80	104	95
April	104	106	102	104	107	112	142	120	93	95	77	98	90
July	94	107	94	98	214	112	142	156	69	74	63	70	69
Oct.	101	110	94	102	214	100	137	150	73	79	75	80	78
1877													
Jan.	119	129	107	118	142	114	137	131	61	86	77	86	83
April	120	130	119	123	142	114	137	131	61	79	75	80	78
July	131	149	141	140	127	101	107	112	61	88	83	88	86
Oct.	110	113	105	109	120	106	109	112	56	86	80	88	85
1878													
Jan.	109	112	103	108	142	106	107	118	60	90	73	90	84
April	104	115	98	106	127	76	111	105	60	83	67	86	79
July	81	92	84	86	96	96	111	101	68	76	60	72	69
Oct.	—	90	76	83	89	90	111	97	54	76	58	74	69
1879													
Jan.	85	84	79	83	135	93	111	113	57	76	57	70	68
April	92	91	83	89	135	93	98	109	57	74	57	68	66
July	94	108	84	95	92	74	88	85	57	81	62	76	73
Oct.	103	108	93	101	92	74	111	92	64	90	68	86	81
1880													
Jan.	119	135	114	123	124	125	110	120	83	114	83	110	102
April	103	117	100	107	103	125	129	119	90	124	92	120	112
July	87	90	84	87	139	100	111	117	98	100	77	96	91
Oct.	87	96	79	87	139	100	111	117	83	100	77	96	91



TABLE 3.

*Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.*

NOTE.—The American figures are based on average actual prices in January, April, July, and October of each year. The English prices are from Sauerbeck's table, re-computed on the basis: actual prices in 1860 = 100. The German figures are from Soetbeer's table; similarly re-computed. For further explanations, see Chapter II, Section iii, pp. 31-33.

TABLE 3.  
*Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany,  
 and England and Germany: by years, 1860-1880.*  
*A.—Relative prices at wholesale in the United States and England.*

Commodity	Page of Ald. Rept.	No. of Series	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869
Wheat: No. 2. Spring.....	60	U.S.	1	100	73	76	99	144	120	126	198	181
Wheat: American.....		Eng.	1	100	104	104	84	75	79	94	121	120
Oats.....	32	U.S.	1	100	81	108	178	221	199	180	168	195
Oats: English Gazette.....		Eng.	1	100	97	98	87	82	89	101	107	115
Corn.....	8	U.S.	1	100	81	81	114	198	170	121	161	164
Maize: American mixed.....		Eng.	1	100	106	89	88	88	86	91	117	111
Barley: No. 1.....	3	U.S.	1	100	57	93	181	280	154	104	139	311
Barley: English Gazette.....		Eng.	1	100	99	96	98	82	81	102	109	118
Rice: Carolina prime.....	96	U.S.	1	100	114	163	—	—	244	274	222	210
Rice: Rangoon, cargoes to arrive.....		Eng.	1	100	102	102	107	98	105	117	115	107
Flour: wheat.....	79	U.S.	1	100	98	97	—	—	—	192	188	171
Flour: town made, white.....		Eng.	1	100	108	98	85	79	81	94	119	118
Potatoes: white (average).....	118	U.S.	2	100	102	102	109	189	157	156	178	210
Potatoes: good English.....		Eng.	1	100	105	109	82	68	77	77	118	114
Butter.....	73	U.S.	1	100	82	99	124	206	209	237	174	221
Butter: Friesland, fine.....		Eng.	1	100	100	100	95	97	103	99	103	112
Sugar: fair refining.....	112	U.S.	1	100	84	116	153	238	198	159	160	166
Sugar: Br. W. Indian refining.....		Eng.	1	100	92	88	88	108	92	88	92	100
Beef: fresh (average).....	88	U.S.	2	100	93	88	102	143	192	170	174	173
Beef: Av. of prime and middling.....		Eng.	2	100	99	93	96	103	108	109	106	101
Mutton.....	91	U.S.	1	100	98	93	112	136	171	160	157	164
Mutton: Average of prime and middling.....		Eng.	2	100	99	96	96	100	115	110	99	98

TABLE 3—(CONTINUED.)  
*Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.*

A.—Relative prices at wholesale in the United States and England.												
Commodity	Page of Ald. Rept.	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Wheat: No. 2. Spring.....	60	U.S. 94	124	124	117	116	104	105	130	102	98	109
Wheat: American.....		Eng. 88	105	111	118	107	90	90	103	90	90	96
Oats.....	32	U.S. 144	148	118	116	142	150	107	100	80	82	101
Oats : English Gazette.....		Eng. 94	103	95	104	118	117	108	106	100	89	95
Corn.....	8	U.S. 136	105	96	87	117	112	86	80	73	65	75
Maize: American mixed.....		Eng. 86	94	83	86	109	97	76	78	71	68	74
Barley: No. 1.....	3	U.S. 133	123	97	137	215	191	119	104	111	130	132
Barley: English Gazette.....		Eng. 95	99	102	111	123	105	96	108	110	93	90
Rice: Carolina prime.....	96	U.S. 172	186	196	188	184	174	146	145	142	146	158
Rice: Rangoon, cargoes to arrive.....		Eng. 93	96	98	93	98	81	88	98	98	94	89
Flour: wheat.....	79	U.S. 108	120	142	134	125	119	115	127	106	101	104
Flour: town made, white.....		Eng. 85	92	96	106	98	83	85	94	79	75	81
Potatoes: white (average).....	118	U.S. 148	188	123	169	165	133	116	160	109	137	99
Potatoes: good English.....		Eng. 82	73	127	146	96	96	123	118	141	118	118
Butter.....	73	U.S. 185	172	157	160	176	161	165	145	145	119	156
Butter: Friesland, fine.....		Eng. 110	115	105	109	119	112	120	112	108	95	111
Sugar: fair refining.....	112	U.S. 144	136	131	121	116	117	120	133	110	96	113
Sugar: Br. W. Indian refining.....		Eng. 96	106	106	94	90	83	90	102	83	79	85
Beef: fresh (average).....	88	U.S. 172	163	157	152	147	147	133	129	116	113	113
Beef: Av. of prime and middling.....		Eng. 113	123	121	132	123	130	124	119	119	109	117
Mutton.....	91	U.S. 171	155	181	167	176	162	162	157	129	125	126
Mutton: Average of prime and middling.....		Eng. 104	115	121	126	108	122	122	116	116	109	113



TABLE 3—(CONTINUED.)  
*Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany,<sup>\*</sup>  
 and England and Germany: by years, 1860-1880.*  
*A.—Relative prices at wholesale in the United States and England.*

Commodity	Page of Ald. Rept.	No. of Series	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869
Pork: salt mess.	92	U.S.	1	100	91	66	82	182	173	172	138	169
Pork: large and small, average		Eng.	1	100	100	96	89	91	102	100	83	102
Cotton: upland, middling	11, 134	U.S.	2	100	141	364	675	991	577	382	257	267
Cotton: middling, upland		Eng.	1	100	137	276	372	440	304	248	174	194
Wool: Ohio fleece	*	U.S.	3	100	86	108	161	186	171	130	109	97
Wool: merino		Eng.	1	100	90	90	91	95	92	98	88	68
Silk: raw, Italian	1835	U.S.	1	100	82	76	69	81	99	100	104	100
Silk: Tsatlee		Eng.	1	100	87	91	91	96	117	122	117	113
Hides: dry	17, 18, 19	U.S.	3	100	101	116	137	142	96	82	96	108
Hides: River Plate, dry		Eng.	1	100	87	80	70	67	63	61	61	70
Hides: salted	21, 23	U.S.	3	100	77	91	110	134	105	100	111	121
Hides: River Plate, salted		Eng.	1	100	88	81	72	72	69	69	75	69
Leather: harness	148	U.S.	1	100	91	95	123	157	155	147	143	134
Leather: crop hides		Eng.	1	100	87	84	84	81	81	84	81	84
Tallow: prime city	115	U.S.	1	100	85	96	109	141	132	123	113	115
Tallow: town		Eng.	1	100	96	84	79	75	81	82	79	82
Flaxseed	13	U.S.	1	100	95	121	220	243	206	238	211	188
Linseed		Eng.	1	100	107	116	116	116	120	109	124	111
Linseed Oil	255	U.S.	1	100	95	146	235	262	243	264	219	183
Linseed Oil		Eng.	1	100	107	135	148	124	117	131	128	110
Soda Ash	261	U.S.	1	100	95	119	144	195	159	184	118	103
Nitrate of Soda		Eng.	1	100	92	95	98	107	97	85	92	107

<sup>\*</sup> Statistical Abstract, 1903, p. 538.

TABLE 3—(CONTINUED.)  
*Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.*

*A.—Relative prices at wholesale in the United States and England.*

Commodity	Page of Ald. Rept.	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Pork: salt meas.....	92	U.S. 155	93	76	90	104	118	114	85	59	53	74
Pork: large and small, average.....		Eng. 104	94	93	100	100	106	109	94	93	89	102
Cotton: upland, middling.....	11, 134	U.S. 196	163	203	183	153	137	114	110	101	100	112
Cotton: middling, upland.....		Eng. 159	137	169	144	128	118	100	101	98	101	111
Wool: Ohio fleece.....	*	U.S. 98	114	148	116	110	106	88	88	80	76	105
Wool: merino.....		Eng. 68	87	80	102	97	91	82	82	81	76	89
Silk: raw, Italian.....	1835	U.S. 93	88	101	92	74	64	81	80	60	69	66
Silk: Tusilee.....		Eng. 122	117	113	95	74	69	91	87	72	70	65
Hides: dry.....	17, 18, 19	U.S. 108	112	121	125	121	109	93	106	101	92	113
Hides: River Plate, dry.....		Eng. 72	78	91	96	91	80	65	74	74	70	80
Hides: salted.....	21, 23	U.S. 104	121	129	121	110	105	90	104	93	95	112
Hides: River Plate, salted.....		Eng. 72	81	94	103	100	100	88	97	84	84	94
Leather: harness.....	148	U.S. 124	122	123	124	113	104	100	99	97	92	117
Leather: crop hides.....		Eng. 84	87	101	106	101	100	97	93	86	84	90
Tallow: prime city.....	115	U.S. 95	90	90	84	80	91	88	80	71	62	62
Tallow: town.....		Eng. 79	81	79	77	72	81	77	74	67	63	63
Flaxseed.....	13	U.S. 167	153	143	144	167	147	107	111	106	104	109
Linseed.....		Eng. 111	113	115	113	107	98	93	98	89	95	98
Linseed Oil.....	255	U.S. 153	143	140	163	148	115	100	106	103	105	120
Linseed Oil.....		Eng. 107	114	117	110	93	83	83	97	90	93	93
Soda Ash.....	261	U.S. 100	108	158	123	99	93	88	84	71	69	77
Nitrate of Soda.....		Eng. 110	110	109	105	83	83	78	95	102	102	105

\* Statistical Abstract, 1905, p. 538.

TABLE 3—(CONTINUED.)

*Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.*

*A—Relative prices at wholesale in the United States and England.*

Commodity	Page of Ald. Rept.	No. of Series	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869
Lead: Pipe	193	U.S.	100	101	132	165	269	242	178	162	182	169
Lead: English pig		Eng.	100	93	94	94	96	91	93	90	88	88
Copper: ingot	185	U.S.	100	86	112	140	194	162	151	113	101	103
Copper: Chile, bars		Eng.	100	94	92	91	94	87	85	75	74	73
Iron: bar, rolled	*	U.S.	100	104	120	155	249	181	167	148	146	139
Iron: bars, common		Eng.	100	92	96	108	127	119	112	104	98	104
Iron: pig, No. 1, foundry	*	U.S.	100	89	105	155	261	203	206	194	173	179
Iron: Scotch pig		Eng.	100	92	99	104	107	102	113	100	99	100
Coal: bituminous	178	U.S.	100	95	130	150	191	211	178	156	140	142
Coal: Wulfbend, Hetton in London		Eng.	100	98	88	88	98	98	95	98	90	90

\* Statistical Abstract, 1905, p. 538.

TABLE 3—(CONTINUED.)

*Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.*

*A—Relative prices at wholesale in the United States and England.*

Commodity	Page of Ald. Rept.	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Lead: Pipe.....	193	U.S. 119	135	145	145	128	125	130	118	87	81	101
Lead: English pig.....		Eng. 84	83	92	107	101	102	99	93	76	69	75
Copper: ingot.....	185	U.S. 93	101	150	137	108	102	97	86	75	75	91
Copper: Chile, bars.....		Eng. 68	73	98	88	83	86	80	72	65	61	66
Iron: bar, rolled.....	*	U.S. 134	134	166	147	116	104	89	78	75	88	106
Iron: bars, common.....		Eng. 114	117	169	192	158	129	112	104	87	89	104
Iron: pig, No. 1, foundry.....	*	U.S. 146	155	216	188	133	112	98	83	78	96	125
Iron: Scotch pig.....		Eng. 102	110	190	219	164	123	109	102	91	88	102
Coal: bituminous.....	178	U.S. 130	129	130	134	132	120	103	93	82	86	99
Coal: Wallend, Hetton in London.....		Eng. 90	93	124	156	122	117	102	98	88	88	76

\* Statistical Abstract, 1905, p. 538.

TABLE 3—(CONTINUED.)

*Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.*

*B—Relative prices at wholesale in the United States and Germany.*

Commodity	Page of Ald. Rept.	No. of Series	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869
Wheat: No. 2 Spring	60	U.S.	1	100	73	76	99	144	120	198	181	117
Wheat		Ger.	1	100	107	100	86	72	88	123	118	91
Oats: (New York)	32	U.S.	1	100	81	108	178	221	199	168	195	177
Oats		Ger.	1	100	97	91	77	88	103	114	122	116
Barley: No. 1 (Chicago)	3	U.S.	1	100	57	93	181	230	154	104	311	246
Barley		Ger.	1	100	100	96	90	78	93	111	117	125
Rye: (New York)	35	U.S.	1	100	79	89	121	178	142	129	206	161
Rye		Ger.	1	100	99	107	96	77	86	97	134	132
Tobacco: leaf, average fine Kentucky	43, 44, 46	U.S.	3	100	104	153	245	242	297	239	156	166
Tobacco		Ger.	1	100	113	119	94	94	79	72	80	85
Clover Seed: (Chicago)	5	U.S.	1	100	95	90	130	199	309	159	196	204
Clover Seed		Ger.	1	100	95	90	87	86	122	117	133	105
Rice: Carolina, prime	96	U.S.	1	100	114	163	—	—	244	274	222	193
Rice		Ger.	1	100	104	96	96	96	104	96	100	96
Flour: wheat	79	U.S.	1	100	98	97	—	—	—	192	188	171
Flour: wheat		Ger.	1	100	109	97	83	77	80	91	109	103
Flour: rye	80	U.S.	1	100	89	100	117	163	165	142	172	185
Flour: rye		Ger.	1	100	113	109	91	78	83	104	122	100
Beans	65	U.S.	1	100	109	143	150	148	133	151	210	273
Beans		Ger.	1	100	100	97	87	92	106	103	101	108
Butter	73	U.S.	1	100	82	99	124	206	209	237	174	221
Butter		Ger.	1	100	86	83	78	90	98	88	109	107

TABLE 3—(CONTINUED.)  
*Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.*  
*B.—Relative prices at wholesale in the United States and Germany.*

Commodity	Page of Ald. Rept.	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Wheat: No. 2 Spring.....	60	U.S. 94	124	124	117	116	104	105	130	102	98	109
Wheat.....		Ger. 87	104	108	113	101	89	92	106	93	93	94
Oats: (New York).....	32	U.S. 144	148	118	116	142	150	107	100	80	82	101
Oats.....		Ger. 97	103	100	110	123	117	116	112	96	93	99
Barley: No. 1 (Chicago).....	3	U.S. 133	123	97	137	215	191	119	104	111	130	182
Barley.....		Ger. 95	108	129	134	180	129	115	123	119	129	125
Rye: (New York).....	35	U.S. 119	122	103	105	123	114	104	99	87	79	114
Rye.....		Ger. 99	118	99	114	116	105	108	111	90	91	116
Tobacco: leaf, average fine Kentucky. 43, 44, 46	46	U.S. 151	154	192	208	208	276	210	179	150	170	165
Tobacco.....		Ger. 94	96	113	103	103	99	103	98	93	88	94
Clover Seed: (Chicago).....	5	U.S. 176	135	122	116	134	144	187	163	100	90	97
Clover Seed.....		Ger. 106	120	112	94	99	103	125	137	102	94	97
Rice: Carolina, prime.....	96	U.S. 172	186	196	188	184	174	146	145	141	146	158
Rice.....		Ger. 92	92	96	85	96	81	81	88	92	88	81
Flour: wheat.....	79	U.S. 108	120	142	134	125	119	115	137	106	101	104
Flour: wheat.....		Ger. 91	97	106	111	106	89	91	97	97	97	97
Flour: rye.....	80	U.S. 136	144	128	143	139	131	129	123	89	90	126
Flour: rye.....		Ger. 100	100	109	117	117	109	113	113	104	100	117
Beans.....	65	U.S. 131	143	176	179	165	122	88	146	100	83	94
Beans.....		Ger. 109	97	99	154	106	94	91	101	89	96	105
Butter.....	73	U.S. 185	172	157	160	176	161	165	145	145	119	156
Butter.....		Ger. 94	102	100	114	130	120	131	118	110	101	116

TABLE 3—(CONTINUED.)  
*Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany,  
 and England and Germany: by years, 1860-1880.*  
*B—Relative prices at wholesale in the United States and Germany.*

Commodity	Page of Ald Rept	No of Series	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869
Cheese	74	U.S.	100	81	75	125	173	184	190	164	160	188
Cheese		Ger.	1	100	91	101	96	98	103	107	102	108
Eggs	76	U.S.	100	83	90	119	150	168	163	157	184	179
Eggs		Ger.	1	100	112	107	110	98	102	97	102	105
Lard	83	U.S.	100	78	69	89	136	170	147	109	137	154
Lard		Ger.	1	100	95	79	86	119	105	92	110	115
Salt (Ashmun and Turk's Island)	97, 100	U.S.	2	100	98	122	174	232	217	207	194	191
Salt		Ger.	1	100	100	75	50	50	50	50	50	50
Sugar, fair refining	112	U.S.	100	84	116	153	233	198	159	160	166	171
Sugar raw		Ger.	1	100	84	83	102	84	81	83	86	102
Sugar refined, crushed and granulated	114	U.S.	100	89	114	146	231	220	173	161	166	166
Sugar, refined		Ger.	1	100	99	93	107	92	93	95	99	105
Currents Zante	82	U.S.	100	100	174	240	295	287	261	215	213	186
Currents		Ger.	1	100	96	91	93	84	91	84	78	78
Raisins	83	U.S.	100	71	131	159	154	213	156	144	162	128
Raisins		Ger.	1	100	97	93	100	92	117	110	93	83
Potatoes white (average of)	118	U.S.	2	100	102	102	109	139	157	178	210	136
Potatoes		Ger.	1	100	125	79	76	85	91	115	97	92
codfish	77	U.S.	100	114	154	131	175	239	220	213	198	189
Fish cured		Ger.	1	100	105	133	126	117	136	107	112	139
Beef (loins and ribs)	89, 89	U.S.	2	100	93	88	102	143	192	174	173	172
Beef		Ger.	1	100	110	127	124	138	142	164	156	161
Mutton	91	U.S.	1	100	98	93	112	130	171	160	157	167
Mutton		Ger.	1	100	100	110	111	87	105	104	106	110

TABLE 3—(CONTINUED.)

*Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.*

*B—Relative prices at wholesale in the United States and Germany.*

Commodity	Page of Ald. Rept.	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Cheese .....	74	U.S. 150	134	147	141	144	145	127	132	106	80	123
Cheese .....		Ger. 103	106	120	120	118	119	119	129	115	108	112
Eggs .....	76	U.S. 179	143	151	161	161	148	131	121	97	103	97
Eggs .....		Ger. 105	115	123	133	129	133	126	122	124	120	126
Lard .....	83	U.S. 128	106	76	72	96	119	108	85	65	55	67
Lard .....		Ger. 111	91	71	76	93	108	99	87	69	65	75
Salt: (Ashton's & Turk's Island) .....	97, 100	U.S. 184	204	191	170	152	140	132	145	135	141	138
Salt .....		Ger. 75	75	75	100	100	75	75	75	75	50	50
Sugar: fair refining .....	112	U.S. 147	136	131	121	116	117	120	133	110	96	113
Sugar: raw .....		Ger. 97	136	98	95	93	86	90	105	103	95	95
Sugar: refined, crushed and granulated .....	114	U.S. 138	136	127	116	108	110	107	116	94	87	102
Sugar: refined .....		Ger. 101	110	112	104	96	92	90	101	90	85	89
Currants: Zante .....	82	U.S. 210	160	134	112	107	111	119	112	90	71	106
Currants .....		Ger. 109	111	109	98	107	107	120	118	82	98	109
Raisins .....	83	U.S. 124	108	102	84	105	103	98	62	68	63	92
Raisins .....		Ger. 107	98	95	107	110	122	102	88	68	86	100
Potatoes: white (average of) .....	118	U.S. 143	188	123	169	165	133	116	160	109	137	99
Potatoes .....		Ger. 92	103	108	108	117	109	110	126	122	129	127
Codfish .....	77	U.S. 183	160	154	154	183	177	166	120	137	137	171
Fish: cured .....		Ger. 126	131	121	136	133	114	145	136	131	119	100
Beef (loins and ribs) .....	88, 89	U.S. 172	163	157	152	147	147	133	129	116	113	113
Beef .....		Ger. 161	175	178	197	191	188	199	202	200	184	196
Mutton .....	91	U.S. 171	155	181	167	176	162	162	157	129	125	126
Mutton .....		Ger. 117	128	156	114	128	137	159	156	152	147	150



TABLE 3—(CONTINUED.)  
*Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany,  
 and England and Germany: by years, 1860-1880.*  
*B—Relative prices at wholesale in the United States and Germany.*

Commodity	Page of Ald. Rept.	No. of Series	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869
Pork: salt mess.....	92	U.S. 1	100	91	66	82	182	173	172	128	146	169
Pork.....		Ger. 1	100	100	112	112	112	112	104	99	108	120
Cotton: upland middling.....	11, 134	U.S. 2	100	141	364	675	991	577	382	257	241	267
Cotton.....		Ger. 1	100	125	230	364	424	228	255	196	151	187
Wool: Ohio fleece.....	*	U.S. 3	100	86	108	161	186	171	130	109	97	103
Wool.....		Ger. 1	100	90	96	92	77	82	76	69	72	66
Silk: raw Italian.....	1835	U.S. 1	100	82	76	69	81	99	100	104	118	100
Silk.....		Ger. 1	100	93	77	95	97	105	110	131	136	132
Print Cloths: standard, metacomet.....	151	U.S. 2	100	88	164	274	425	380	282	178	147	151
Piece goods: printed.....		Ger. 1	100	98	109	136	151	139	141	126	115	118
Carpets: Brus's, ingr'n & W'ton 125, 126, 127		U.S. 3	100	99	112	156	229	229	224	215	192	195
Carpets, etc.....		Ger. 1	100	95	95	98	109	114	122	125	113	115
Pig Iron: No. 1, foundry.....	x	U.S. 1	100	89	105	155	261	203	206	194	173	179
Pig Iron.....		Ger. 1	100	100	100	114	114	114	114	114	100	100
Bar Iron: rolled.....	x	U.S. 1	100	104	120	155	249	181	167	148	146	139
Bar Iron.....		Ger. 1	100	95	95	100	114	110	110	105	95	95
Copper: ingot.....	185	U.S. 1	100	86	112	140	194	162	151	113	101	103
Copper.....		Ger. 1	100	94	93	88	95	87	92	82	75	76
Lead: pipe.....	193	U.S. 1	100	101	132	165	269	242	178	162	182	169
Lead.....		Ger. 1	100	98	93	93	96	91	96	89	96	93
Coal: bituminous.....	178	U.S. 1	100	95	130	150	191	211	178	156	140	142
Coal.....		Ger. 1	100	105	106	99	106	108	107	106	103	100
Hides: dry and salted.....	17-23	U.S. 6	100	89	104	124	138	101	91	104	107	115
Hides.....		Ger. 1	100	84	81	72	75	70	69	73	81	73

\* Statistical Abstract, 1905, p. 538. x Ibid., p. 539.

TABLE 3—(CONTINUED.)  
*Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.*  
*B.—Relative prices at wholesale in the United States and Germany.*

Commodity	Page of Ald Rept.	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Pork salt mess	92	U.S. 155	93	76	90	104	116	114	85	59	53	74
Pork		Ger. 112	99	115	126	117	125	117	116	109	107	123
Cotton: upland middling	11, 134	U.S. 196	183	203	183	153	137	114	110	101	100	112
Cotton		Ger. 168	143	163	150	144	128	108	108	108	110	119
Wool: Ohio fleece	*	U.S. 98	114	148	116	110	106	88	88	80	76	105
Wool		Ger. 70	76	90	79	70	73	63	63	70	66	66
Silk raw Italian	1835	U.S. 93	88	101	93	74	64	81	80	60	69	66
Silk		Ger. 120	120	133	133	100	88	105	112	91	77	89
Print Cloths: standard, metacomet	151	U.S. 130	135	144	118	104	96	75	78	64	66	82
Piece goods: printed		Ger. 113	113	118	114	112	114	107	102	100	93	91
Carpets Brus'ls, ingr'n & W'ton 125, 126, 127		U.S. 168	168	178	168	162	159	160	135	127	115	133
Carpets, etc.		Ger. 113	114	123	123	122	117	110	100	96	91	92
Pig Iron: No 1, foundry	x	U.S. 146	155	216	188	133	112	98	83	78	96	125
Pig Iron		Ger. 114	114	200	229	157	129	139	114	100	86	100
Bar Iron: rolled	x	U.S. 134	134	166	147	116	104	89	78	75	88	106
Bar Iron		Ger. 100	110	143	176	114	119	105	95	90	81	86
Copper ingot	185	U.S. 93	101	150	137	108	102	97	96	75	75	91
Copper		Ger. 74	76	93	94	87	90	89	84	75	67	65
Lead pipe	193	U.S. 119	135	145	145	128	125	130	118	87	81	101
Lead		Ger. 96	91	126	148	107	117	113	104	96	87	87
Coal bituminous	178	U.S. 120	129	130	134	132	120	103	93	82	86	99
Coal		Ger. 100	102	148	181	146	119	109	101	92	86	87
Hides: dry and salted	17-23	U.S. 106	117	125	123	116	107	92	105	97	94	113
Hides		Ger. 79	91	106	110	105	95	78	79	73	73	83

\* Statistical Abstract, 1905, p. 538, x Ibid., p. 539.

TABLE 3—(CONTINUED.)  
*Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.*  
*B.—Relative prices at wholesale in the United States and Germany.*

Commodity	Page of Ald. Rept.	No. of Series	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869
Leather: harness.....	148	U.S.	1	100	91	95	123	157	155	147	137	134
Leather .....		Ger.	1	100	85	93	93	100	98	111	67	77
Tallow: prime city.....	115	U.S.	1	100	85	96	109	141	132	123	118	115
Tallow .....		Ger.	1	100	96	86	77	73	78	86	84	84
Candles: best adamantine.....	172	U.S.	1	100	98	92	101	115	132	116	113	113
Candles: tallow.....		Ger.	1	100	96	90	79	69	68	73	74	73
Linseed Oil .....	255	U.S.	1	100	95	146	235	262	243	284	219	183
Linseed Oil .....		Ger.	1	100	109	134	145	128	119	136	130	117
Rope: Manila and tarred American.....206,	207	U.S.	2	100	103	126	171	213	231	225	231	216
Cordage .....		Ger.	1	100	99	112	119	109	101	104	112	119
Cement: Rosendale.....	223	U.S.	1	100	97	95	118	150	170	184	178	184
Cement .....		Ger.	1	100	100	100	100	83	83	83	83	83
Lime: Rockland.....	226	U.S.	1	100	107	92	128	155	203	217	235	240
Lime .....		Ger.	1	100	100	100	133	100	100	100	100	100
Tar: Wilmington.....	239	U.S.	1	100	129	466	—	709	327	131	136	146
Tar .....		Ger.	1	100	133	144	111	89	78	67	72	78
Rubber: Para.....	291	U.S.	1	100	73	90	129	153	141	134	128	147
India Rubber.....		Ger.	1	100	65	74	70	59	61	87	73	59
Mercury .....	256	U.S.	1	100	95	89	131	245	156	150	157	141
Quicksilver .....		Ger.	1	100	98	100	98	116	101	95	101	94
Potash: bichromate of.....	247	U.S.	1	100	100	98	111	127	123	115	93	81
Potash: prussiate and chromate of.....		Ger.	1	100	87	75	78	71	63	64	58	56

TABLE 3—(CONTINUED.)  
*Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.*  
*B.—Relative prices at wholesale in the United States and Germany.*

Commodity	Page of Ald. Rept.	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Leather: harness.....	148	U.S. 124	122	123	124	113	104	100	99	97	92	117
Leather .....		Ger. 77	72	84	76	89	70	73	69	59	60	69
Tallow: prime city.....	115	U.S. 95	90	90	84	80	91	88	80	71	62	62
Tallow .....		Ger. 83	82	80	78	77	81	82	80	76	66	65
Candles: best adamantine.....	172	U.S. 108	106	106	106	103	92	83	75	70	62	59
Candles: tallow.....		Ger. 71	71	69	71	71	66	65	66	63	60	54
Linseed Oil.....	255	U.S. 153	143	140	163	148	115	100	106	103	105	120
Linseed Oil .....		Ger. 112	119	122	119	106	91	95	103	100	97	102
Rope: Manila and tarred American.....206,	207	U.S. 206	186	181	167	153	152	145	142	122	118	143
Cordage .....		Ger. 112	116	118	131	126	126	119	112	114	97	108
Cement: Rosendale.....	223	U.S. 205	188	172	180	157	129	126	116	97	100	111
Cement .....		Ger. 83	83	83	117	100	100	83	83	83	83	83
Lime: Rockland.....	226	U.S. 172	198	198	193	150	172	123	107	93	118	118
Lime .....		Ger. 100	100	100	167	100	133	133	133	133	133	100
Tar: Wilmington.....	239	U.S. 96	117	141	156	114	93	83	101	91	91	88
Tar .....		Ger. 94	100	111	122	122	106	106	100	89	89	89
Rubber: Para.....	291	U.S. 160	135	126	118	107	104	100	90	77	98	137
India Rubber.....		Ger. 77	85	97	90	73	70	72	65	68	80	110
Quicksilver.....	256	U.S. 123	154	156	187	258	189	107	92	88	75	77
Mercury .....		U.S. 111	136	162	191	294	177	158	123	101	92	98
Potash: bichromate of.....	247	U.S. 68	80	100	99	87	88	82	63	60	60	67
Potash: prussiate and chromate of.....		Ger. 56	74	102	95	71	62	52	50	47	61	62

TABLE 3—(CONTINUED.)  
Relative wholesale prices of commodities in the United States and England, the United States and Germany,  
and England and Germany: by years, 1880-1889.  
C. Relative prices at wholesale in England and Germany.

Commodity.	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891
Wheat: English Gazette	Eng.	100	104	84	76	70	94	128	118	100	91	88
Wheat	Ger.	100	107	100	86	73	88	128	118	100	91	87
Flour: town made, white	Eng.	100	108	98	85	79	81	119	118	100	88	85
Flour: wheat	Ger.	100	109	97	83	77	80	109	108	100	91	81
Barley: English Gazette	Eng.	100	99	90	90	82	81	102	114	100	108	108
Barley	Ger.	100	100	90	90	78	98	111	117	100	101	98
Oats: English Gazette	Eng.	100	97	98	87	82	101	107	118	107	107	94
Oats	Ger.	100	97	91	77	88	104	114	129	116	107	97
Potatoes: good English	Eng.	100	105	100	82	68	77	118	111	111	77	83
Potatoes	Ger.	100	126	70	78	85	86	116	97	92	92	92
Rice: Rangoon	Eng.	100	102	102	98	108	117	118	107	98	98	98
Rice	Ger.	100	104	90	96	104	96	100	100	81	92	92
Beef: middling	Eng.	100	100	90	98	108	110	107	109	110	110	116
Beef	Ger.	100	110	127	124	128	128	104	104	101	101	101
Mutton: middling	Eng.	100	100	96	102	116	110	100	94	100	100	117
Mutton	Ger.	100	100	110	111	87	105	104	108	110	110	117
Pork: large and small, average	Eng.	100	100	96	89	91	102	88	88	100	100	104
Pork	Ger.	100	100	112	112	112	104	99	108	100	100	119
Butter: Friesland, fine to finest	Eng.	100	100	95	97	108	99	108	119	100	100	110
Butter	Ger.	100	80	83	78	94	96	88	100	107	107	91
Sugar: refining	Eng.	100	92	88	88	108	92	92	92	100	100	108
Sugar: raw	Ger.	100	84	80	80	102	81	80	88	100	100	107
Coffee: Rio, good	Eng.	100	92	100	112	119	97	85	78	85	79	78
Coffee	Ger.	100	101	111	115	114	107	99	99	79	91	98

TABLE 3—(CONTINUED.)  
*Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany,  
 and England and Germany: by years, 1860-1880.*

Commodity.		1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Wheat: English Gazette.....	Eng.	106	107	110	105	85	87	107	87	82	83
Wheat .....	Ger.	104	108	113	101	89	92	106	93	93	94
Flour: townmade, white.....	Eng.	92	96	106	98	88	85	94	79	75	81
Flour: wheat.....	Ger.	97	106	111	106	89	91	97	97	97	97
Barley: English Gazette.....	Eng.	99	102	111	123	105	96	108	110	93	90
Barley .....	Ger.	108	129	134	130	129	115	123	119	129	125
Oats: English Gazette.....	Eng.	103	95	104	118	117	108	106	100	89	95
Oats .....	Ger.	103	100	110	123	117	116	112	96	93	99
Potatoes: good English.....	Eng.	73	127	146	96	96	123	118	141	118	118
Potatoes .....	Ger.	103	108	108	117	109	110	126	122	129	127
Rice: Rangoon.....	Eng.	96	98	93	98	81	88	98	98	94	89
Rice .....	Ger.	92	96	85	96	81	81	88	92	88	81
Beef: middling.....	Eng.	126	124	133	121	131	124	117	117	107	117
Beef .....	Ger.	175	178	197	191	188	199	202	200	184	196
Mutton: middling.....	Eng.	118	122	126	106	118	116	108	110	104	108
Mutton .....	Ger.	123	156	114	128	137	159	156	152	147	150
Pork: large and small, average.....	Eng.	94	93	100	100	106	109	94	93	89	102
Pork .....	Ger.	99	115	126	117	125	117	118	109	107	122
Butter: Friesland, fine to finest.....	Eng.	115	105	109	119	112	120	112	108	95	111
Butter .....	Ger.	102	100	114	130	120	131	118	110	101	116
Sugar: refining.....	Eng.	106	106	94	90	83	90	102	83	79	85
Sugar: raw.....	Ger.	136	98	95	93	86	90	105	103	95	95
Coffee: Rio, good.....	Eng.	93	118	143	140	133	123	128	103	97	102
Coffee .....	Ger.	92	120	145	152	148	136	141	122	111	117

TABLE 3—(CONTINUED.)  
*Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany,  
 and England and Germany: by years, 1860-1880.*  
*C.—Relative prices at wholesale in England and Germany.*

Commodity.	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870
Tea: Congou, common	Eng. 100	74	83	79	68	68	72	72	80	80	74
Tea .. .. .	Ger. 100	76	89	93	83	77	74	91	90	82	73
Iron: Scotch pig ..	Eng. 100	92	99	104	107	102	113	100	99	100	103
Iron: pig .. .. .	Ger. 100	100	100	114	114	114	114	114	100	100	114
Iron: bars, common	Eng. 100	92	95	108	127	119	112	104	98	104	114
Iron: bar .. .. .	Ger. 100	95	95	109	114	110	110	105	95	95	100
Copper: Chile, bars	Eng. 100	94	92	91	94	87	85	75	74	73	68
Copper .. .. .	Ger. 100	94	93	86	95	87	92	62	75	76	74
Tin: Straits	Eng. 100	91	89	92	79	70	68	60	73	96	95
Tin .. .. .	Ger. 100	89	86	94	81	72	65	67	70	87	93
Lead: English pig	Eng. 100	93	94	94	95	91	93	90	88	88	84
Lead .. .. .	Ger. 100	98	93	93	96	91	95	89	90	93	96
Coal: Wallsend, Heston in London	Eng. 100	98	88	88	98	84	95	98	80	90	90
Coal .. .. .	Ger. 100	105	106	99	106	108	107	106	103	100	100
Cotton: middling upland	Eng. 100	137	276	372	440	304	248	174	168	194	159
Cotton .. .. .	Ger. 100	125	230	364	424	238	255	196	151	187	168
Flax: Russian, average import	Eng. 100	95	112	107	105	104	109	109	104	104	100
Flax .. .. .	Ger. 100	104	108	117	101	79	128	126	125	121	113
Hemp: St. Petersburg, clean	Eng. 100	108	120	134	117	103	114	120	128	120	114
Hemp .. .. .	Ger. 100	99	101	120	116	87	106	103	117	121	109
Wool: merino	Eng. 100	90	90	91	95	92	98	88	80	68	68
Wool .. .. .	Ger. 100	90	90	92	77	83	76	69	72	68	70
Silk: Tantee	Eng. 100	87	91	91	96	117	122	117	100	113	122
Silk .. .. .	Ger. 100	103	77	95	97	105	110	131	138	132	120

TABLE 3—(CONTINUED.)  
*Relative wholesale prices of commodities in the United States and England, the United States and Germany,  
 and England and Germany: by years, 1860–1880.*

C.—Relative prices at wholesale in England and Germany.		1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Commodity.											
Tea: Congou, common.....	Eng.	71	71	74	71	68	59	48	48	55	54
	Ger.	73	78	74	73	76	74	63	59	66	63
Iron: Scotch pig.....	Eng.	110	190	219	164	123	109	102	91	88	102
	Ger.	114	200	229	157	129	129	114	100	86	100
Iron: bars, common.....	Eng.	117	169	192	158	129	112	104	87	89	104
	Ger.	110	143	176	114	119	105	95	90	81	86
Copper: Chile, bars.....	Eng.	73	98	88	83	86	80	72	65	61	66
	Ger.	76	93	94	87	90	89	84	75	67	65
Tin: Straits.....	Eng.	102	112	101	75	64	57	52	47	56	67
	Ger.	100	112	107	77	72	67	59	53	53	65
Lead: English pig.....	Eng.	83	92	107	101	102	99	93	76	69	75
	Ger.	91	126	148	107	117	113	104	96	87	87
Coal: Wallsend, Hetton in London.....	Eng.	93	124	156	122	117	102	98	88	88	76
	Ger.	102	143	181	146	119	109	101	92	86	87
Cotton: middling upland.....	Eng.	137	169	144	128	118	100	101	98	101	111
	Ger.	143	163	150	144	128	108	108	108	110	119
Flax: Russian, average import.....	Eng.	90	95	88	83	90	94	85	89	70	89
	Ger.	98	96	85	86	94	88	106	91	108	68
Hemp: St. Petersburg, clean.....	Eng.	111	120	120	114	114	123	117	97	83	77
	Ger.	124	119	111	123	111	106	113	97	87	89
Wool: merino.....	Eng.	87	80	102	97	91	82	82	81	76	89
	Ger.	76	90	79	70	73	63	63	70	66	66
Silk: Tsatsee.....	Eng.	117	113	95	74	69	91	87	72	70	65
	Ger.	120	133	133	100	88	105	112	91	77	89



TABLE B--(Continued.)  
Relative wholesale prices of commodities in the United States and England, the United States and Germany,  
and England and Germany: by years, 1880-1920.

Commodity.	C. Relative prices at wholesale in England and Germany.													
	1880	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913
Hides: River Plate, salted	Eng.	100	94	91	72	72	72	70	69	76	72	70	70	70
Hides	Ger.	100	94	91	72	75	70	70	69	70	70	70	70	70
Leather: crop hides	Eng.	100	97	94	84	81	81	81	84	81	84	81	84	84
Leather	Ger.	100	95	90	80	100	100	111	111	107	97	97	97	97
Tallow: town	Eng.	100	100	94	79	75	81	70	82	82	82	82	82	82
Tallow	Ger.	100	100	90	77	70	75	77	77	80	81	81	81	81
Oil: palm	Eng.	100	100	94	80	74	80	80	81	80	80	80	80	80
Oil: palm	Ger.	100	101	94	70	60	60	67	100	103	100	100	100	100
Oil: olive	Eng.	100	100	97	95	90	90	107	114	114	114	114	114	114
Oil: olive	Ger.	100	100	95	92	86	86	114	137	137	137	137	137	137
Oil: linseed	Eng.	100	107	105	140	124	117	131	130	110	108	107	107	107
Oil: linseed	Ger.	100	100	104	145	120	110	130	130	117	100	110	110	110
Indigo: Bengal	Eng.	100	132	112	95	90	100	114	105	114	105	105	105	105
Indigo	Ger.	100	106	110	93	95	95	104	104	119	120	120	120	120

TABLE 3—(CONCLUDED.)  
*Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.*

*C.—Relative prices at wholesale in England and Germany.*

Commodity.	1871	1872	1878	1874	1875	1876	1877	1878	1879	1880
Hides: River Plate, salted.....	Eng. 81	94	103	100	100	98	97	84	84	94
Hides.....	Ger. 91	106	110	105	95	78	79	73	73	82
Leather: crop hides.....	Eng. 87	101	106	101	100	97	93	86	84	90
Leather.....	Ger. 72	84	76	89	70	73	69	59	60	69
Tallow: town.....	Eng. 81	79	77	72	81	77	74	67	63	63
Tallow.....	Ger. 82	80	78	77	81	82	80	76	66	65
Oil: palm.....	Eng. 83	85	83	78	78	83	87	83	74	70
Oil: palm.....	Ger. 128	98	92	87	87	92	97	97	85	80
Oil: olive.....	Eng. 85	83	74	72	74	79	85	85	79	71
Oil: olive.....	Ger. 95	90	80	83	88	89	96	98	92	91
Oil: linseed.....	Eng. 114	117	110	93	83	83	97	90	93	93
Oil: linseed.....	Ger. 119	122	119	106	91	95	103	100	97	102
Indigo: Bengal.....	Eng. 138	104	103	108	89	101	85	85	96	112
Indigo.....	Ger. 116	115	101	105	103	93	93	89	89	93



TABLE 4.

*Relative prices of 60 commodities at retail in various towns: by years,  
1860-1880.*

NOTE.—The series in the following table are arranged (1) alphabetically by commodities, (2) geographically by states, and (3) alphabetically by towns within the states. The references give the pages of the *Report on the Average Retail Prices of Necessaries of Life in the United States*, by Jos. D. Weeks (Tenth Census, Vol. XX), on which the series of actual prices may be found. The base prices shown in the table are actual prices in 1860, or, when that is missing, in 1861. For further explanations regarding the character of the material, see Chapter III, Section iv.

TABLE 4.  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Beans										Beef—fresh			
	State	Mass.	Conn.	Pa.	West Va.	Ohio	Ohio	Ohio	Ind.	Iowa	Mass.	Conn.	New Jersey	Pa.
Town		Boston	Jewett City	Phila. delphia	New Cumber-land	Ohio Canton	Springfield	Zanes-ville	Lawrence-burg	Cedar Rapids	Boston	New London	Camden	New Castle
Reference		60	46	85	89	75	80	82	56	58	59	48	65	83
Unit	qt.	qt.	qt.	qt.	qt.	qt.	qt.	qt.	qt.	qt.	lb.	lb.	lb.	lb.
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
price	.06	.06	.06	.06	.07	.05	.05	.06 1/4	.10	.10	.11 1/4	.13	.14	.12 1/4
1860	100	100	100	—	100	100	100	100	100	—	100	100	100	—
1861	100	117	100	100	143	80	100	96	100	100	104	128	100	100
1862	150	133	133	133	171	100	100	112	100	100	122	100	100	100
1863	167	167	167	167	171	160	100	128	100	120	142	188	114	130
1864	179	167	150	150	171	200	160	160	100	120	156	154	179	130
1865	142	150	200	200	171	200	160	160	100	125	156	169	250	130
1866	175	133	233	233	171	160	160	160	120	125	160	169	250	120
1867	208	167	233	233	171	160	200	160	120	125	172	192	214	100
1868	238	283	233	233	143	120	200	160	120	150	185	257	200	112
1869	233	233	217	217	143	120	200	192	120	150	179	192	179	112
1870	171	200	200	200	143	120	200	192	120	125	163	154	179	100
1871	179	183	200	200	114	160	200	160	120	100	157	128	179	100
1872	192	167	200	200	114	140	200	160	120	100	155	128	179	100
1873	175	200	217	217	114	120	200	160	120	120	158	123	179	100
1874	179	167	200	200	114	100	200	160	120	150	154	123	164	100
1875	133	167	167	167	114	100	200	160	120	150	146	123	164	100
1876	108	133	167	167	114	100	200	160	100	120	134	123	164	100
1877	158	167	150	150	114	120	200	160	100	200	152	123	164	100
1878	133	150	133	133	114	120	200	160	100	150	140	123	157	100
1879	125	133	133	133	143	160	200	160	100	150	145	123	157	80
1880	108	133	150	150	143	160	200	160	100	200	150	123	114	80



TABLE 4—(CONTINUED.)  
*Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.*

Commodity	Rump Steaks			Beef—Fresh					Beef—Corned				
	State	Ind.	Conn. New	Soup pieces			Pa.	Ohio	Ind.	Mass.	Conn. New	N. J.	
				Evansville	Average	London		Pa. Phila. New					
Reference	Unit	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
price	.07 ½	.07 ½	.08	.06	.07	.03	.07	.07	.06	.07 ¾	.10	.08	.08
1860		100	100	—	100	100	100	100	100	100	100	100	100
1861	100	105	127	100	100	233	86	100	118	97	110	100	100
1862	100	106	127	100	100	233	86	100	121	97	110	100	100
1863	167	127	164	100	117	114	233	86	100	131	140	125	125
1864	200	153	164	175	133	129	233	143	117	167	165	140	175
1865	200	165	164	200	167	171	233	143	117	167	200	140	225
1866	200	165	164	200	204	171	233	143	117	167	194	140	225
1867	200	166	164	150	167	171	233	143	133	167	174	130	150
1868	200	156	164	150	133	143	233	114	133	133	219	130	200
1869	200	157	164	150	133	143	233	114	117	133	204	130	188
1870	200	151	127	150	133	143	233	114	117	133	144	100	156
1871	167	135	100	150	117	143	200	107	117	125	148	80	175
1872	167	135	100	150	117	143	200	107	117	125	137	80	150
1873	167	135	100	150	117	143	200	107	100	125	119	80	150
1874	167	132	100	125	100	143	200	107	100	125	80	150	150
1875	167	127	100	125	100	114	200	107	100	125	116	80	150
1876	167	129	100	125	100	129	200	107	100	125	106	80	150
1877	133	126	100	125	100	114	200	107	100	117	110	80	150
1878	133	124	100	125	100	100	200	107	100	117	103	80	125
1879	133	124	100	125	100	114	200	107	100	117	97	80	125
1880	133	118	100	100	100	129	200	107	100	117	102	80	125

TABLE 4—(CONTINUED.)  
*Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.*

Commodity State	Pa. Newcastle	Pa. Phila- delphia	Beef—Corned		Ind. Zanesville	Conn. Jewett City	Board—Men		Ky. Louisville	Ohio Canton	Ohio Cincinnati
			West Va. Cumberland	Ohio Springfield			Pa. Sharon	West Va. New Cumberland			
Town	Reference	Unit	lb.	lb.	lb.	lb.	week	week	week	week	week
Base price	.08	\$	.09	.06 1/4	.08	.10	2.00	1.50	4.00	2.50	1.75
1860	—	—	100	100	100	—	100	100	100	100	100
1861	100	100	125	92	100	100	100	100	100	100	100
1862	100	100	125	92	100	100	100	133	100	120	114
1863	100	111	125	92	125	100	100	167	100	180	114
1864	100	133	125	123	125	117	100	167	125	180	171
1865	100	156	125	123	125	134	150	167	175	180	229
1866	100	167	125	123	125	147	150	167	175	180	229
1867	125	167	125	123	125	135	175	167	150	160	171
1868	125	167	125	138	125	148	183	200	150	160	171
1869	88	156	125	138	113	138	175	167	150	160	171
1870	88	144	125	138	113	128	175	167	150	160	114
1871	88	144	100	131	125	121	175	200	100	160	171
1872	88	139	100	131	125	117	175	200	100	160	171
1873	88	139	100	131	100	112	175	183	100	160	171
1874	75	144	100	131	100	111	175	183	100	140	171
1875	75	133	100	131	100	109	175	200	233	75	160
1876	75	156	100	131	100	111	175	200	233	75	140
1877	75	133	100	131	100	109	175	200	233	75	140
1878	75	122	100	131	100	104	150	180	233	75	140
1879	75	133	100	131	88	103	150	180	233	75	140
1880	75	144	100	131	88	105	150	180	233	75	140



TABLE 4.  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Beans										Beef—fresh			
	State	Mass.	Conn.	Pa.	West Va.	Ohio	Ohio	Ohio	Ind.	Iowa	Mass.	Conn.	New Jersey	Pa.
Town		Boston	Jewett City	Phila. delphia	New Cumber-land	Canton	Springfield	Zanes-ville	Lawrence-burg	Cedar Rapids	Boston	New London	Camden	New Castle
Reference		60	46	85	89	75	80	82	56	58	59	48	65	83
Unit	qt.	qt.	qt.	qt.	qt.	qt.	qt.	qt.	qt.	qt.	lb.	lb.	lb.	lb.
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
price	.06	.06	.06	.07	.05	.05	.05	.06¼	.10	.10	.11½	.13	.14	.12½
1860	100	100	100	100	100	100	100	100	100	—	100	100	100	—
1861	100	117	100	143	80	100	100	96	100	100	104	100	100	100
1862	150	133	133	171	100	100	100	112	100	100	122	100	100	100
1863	167	167	167	171	160	100	100	128	100	120	142	130	114	120
1864	179	167	150	171	200	160	160	160	100	120	156	166	179	120
1865	142	150	200	171	200	160	160	160	100	125	156	169	250	120
1866	175	133	171	171	160	160	160	160	120	125	160	211	250	120
1867	208	167	233	171	160	200	200	160	120	125	172	192	214	100
1868	258	283	233	143	120	200	200	160	120	150	185	257	200	112
1869	233	233	217	143	120	200	200	192	120	150	179	192	179	112
1870	171	200	200	143	120	200	200	192	120	125	163	154	179	100
1871	179	183	200	114	160	200	200	160	120	100	157	123	179	100
1872	192	167	200	114	140	200	200	160	120	100	155	209	179	100
1873	175	200	217	114	120	200	200	160	120	120	158	188	179	100
1874	179	167	200	114	100	200	200	160	120	150	154	174	164	100
1875	133	167	167	114	100	200	200	160	120	150	146	123	164	100
1876	108	133	167	114	100	200	200	160	100	120	134	123	164	100
1877	158	167	150	114	120	200	200	160	100	200	152	141	164	100
1878	133	150	133	114	120	200	200	160	100	150	126	123	157	100
1879	125	133	133	143	160	200	200	160	100	150	145	126	157	80
1880	108	133	150	143	160	200	200	160	100	200	150	123	114	80





TABLE 4—(CONTINUED.)  
*Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.*

Commodity	Boots—Men's Heavy		Mass.	Conn.	Butter				Iowa	Cheese
	Mo.	Mo.			Pa.	West Va.	Ohio	Ohio		
State	Mo.		Boston	Jewett City	Phila.	New Cumber-	land	Spring-	Cedar	Mass.
Town	Pilot Knob	St. Louis	Boston	Jewett City	Phila.	New Cumber-	land	Spring-	Cedar	Boston
Reference	92	92	Average	City	delphia	land	Canton	field	Rapids	Average
Unit	per pair	per pair		lb.	lb.	lb.	lb.	lb.	lb.	lb.
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
price	4.00	2.50	.232	.23	.20	.16	.12	.10	.06	.11625
1860	100	100	100	100	—	100	100	100	—	100
1861	100	120	86	96	100	125	67	80	100	93
1862	113	140	90	91	110	125	83	80	200	110
1863	125	160	106	109	120	125	150	100	250	129
1864	125	160	159	122	125	125	333	150	333	117
1865	125	160	183	143	150	125	292	250	417	188
1866	100	140	155	196	140	125	292	300	333	215
1867	100	140	154	157	140	125	250	300	417	210
1868	100	140	188	183	140	125	208	300	583	232
1869	100	—	189	196	140	125	167	300	333	203
1870	100	—	188	174	—	125	142	300	333	203
1871	88	140	157	183	150	138	208	163	417	194
1872	88	140	132	151	175	131	208	163	83	157
1873	88	140	160	174	175	138	167	163	100	187
1874	75	140	122	183	175	138	167	163	100	153
1875	75	140	154	165	160	138	167	163	181	153
1876	75	120	149	163	150	125	167	163	333	169
1877	75	120	113	139	165	125	167	163	333	165
1878	75	120	109	130	140	125	150	163	333	163
1879	75	120	110	117	150	125	183	163	417	156
1880	75	120	109	122	145	138	167	163	67	167

TABLE 4—(CONTINUED.)  
*Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.*

Commodity			Men					Board					Women				
State	Ohio	Ohio	Ind.	Lawrence- burg	Ill.	Ill.	Rock Island	Iowa Cedar Rapids	Mo. Pilot Knob	Average	Conn. Jewett City	Pa. Phila- delphia	West Va. New Cumber- land	Ky. Louisville	Ohio Canton	Ohio Cincinnati	
Town	Springfield	Zanesville															
Reference	111	111	108	108	108	108	108	108	108	108	108	111	111	108	110	111	
Unit	week	week	week	week	week	week	week	week	week	week	week	week	week	week	week	week	
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
price	2.50	2.75	3.50	3.50	5.00	2.50	2.50	2.50	3.00	100	1.50	1.75	1.25	3.00	2.50	1.50	
1860	100	100	100	100	—	—	—	—	100	100	100	—	—	100	100	100	
1861	120	109	100	100	100	100	100	100	117	108	100	100	140	100	120	100	
1862	120	109	114	100	100	100	100	100	133	118	100	114	160	100	180	100	
1863	160	127	128	100	100	100	100	100	150	135	100	128	160	138	180	167	
1864	200	127	143	100	100	100	100	120	150	155	133	143	160	167	180	238	
1865	200	145	143	100	100	120	120	120	150	160	133	171	160	167	180	233	
1866	180	145	128	100	100	120	120	120	117	156	167	171	160	167	160	233	
1867	180	164	114	100	100	120	120	120	117	149	167	171	160	133	160	167	
1868	180	182	114	100	100	120	120	140	117	153	167	171	160	133	160	167	
1869	180	182	114	105	105	120	120	140	117	152	167	157	160	133	160	167	
1870	180	182	114	110	110	120	120	140	117	148	167	157	160	133	160	100	
1871	140	164	114	120	120	140	140	160	100	153	167	171	120	100	160	133	
1872	140	164	114	120	120	140	140	160	100	153	167	171	120	100	160	133	
1873	140	145	114	110	110	140	140	160	100	150	167	171	160	100	160	133	
1874	140	145	114	110	110	140	140	160	100	148	167	157	160	100	140	133	
1875	140	145	114	100	100	140	140	160	100	149	167	157	160	83	160	133	
1876	140	145	114	100	100	140	140	160	100	147	167	157	160	83	140	133	
1877	140	127	114	100	100	140	140	180	100	146	167	157	160	83	140	133	
1878	140	127	114	100	100	140	140	180	100	143	150	148	160	83	140	133	
1879	140	127	114	100	100	140	140	180	133	144	150	143	160	83	140	133	
1880	140	127	114	100	100	140	140	180	133	146	150	143	160	83	140	133	

TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity		Anthracite		Coal		Bituminous		Average		Codfish — Dry			
State	Ohio	West Va.	Ohio	West Va.	Ohio	Spring- field	Ohio	Ind.	Ill.	Conn.	Pa.	West Va.	Ohio
Town	Zanes- ville	New Cumber- land	Canton	Canton	Canton	field	ton	Lawrence- burg	Rock Island	Jewett City	Phila- delphia	land	Canton
Reference	96	96	94	94	96	96	ton	ton	ton	lb.	lb.	lb.	lb.
Unit	ton	ton	ton	ton	ton	ton	ton	ton	ton	lb.	lb.	lb.	lb.
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
price	3.00	1.40	2.00	3.50	3.50	3.50	1.50	3.50	3.12	.05	.04	.06	.10
1860	100	100	100	—	100	100	100	100	100	100	—	100	100
1861	100	103	88	100	100	100	100	93	80	80	100	133	100
1862	133	115	100	100	100	100	100	114	96	100	100	167	100
1863	167	167	214	175	100	200	200	114	104	130	125	167	100
1864	167	205	214	175	100	200	200	129	104	160	150	167	100
1865	167	216	196	150	100	200	200	114	104	160	175	167	100
1866	167	200	196	150	100	200	200	107	104	160	225	167	100
1867	167	172	179	150	100	200	200	100	104	160	250	167	100
1868	167	172	143	150	100	200	200	100	104	140	250	167	100
1869	167	170	143	150	100	200	200	100	104	160	225	167	100
1870	167	157	125	150	100	200	200	100	104	160	200	167	100
1871	167	159	125	175	107	200	200	100	104	150	200	167	100
1872	167	152	125	175	107	200	200	100	104	140	200	167	100
1873	167	158	143	150	100	183	100	100	104	140	200	167	100
1874	150	154	143	150	100	183	100	100	96	140	200	167	100
1875	150	155	143	150	100	167	100	100	96	140	175	167	100
1876	150	135	143	150	107	167	100	100	96	140	188	133	100
1877	133	122	125	150	93	167	100	100	96	140	150	133	100
1878	133	127	125	150	93	150	100	100	96	120	150	133	100
1879	133	114	125	138	107	150	150	93	96	120	150	117	100
1880	133	130	125	138	114	150	150	100	96	120	125	117	100

TABLE 4—(CONTINUED.)  
*Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.*

Commodity			Cheese					Average					Coal—Anthracite								
State	Conn.	Jewett City	Pa.	West Va.	Ohio	Ohio	Spring- field	Ohio	Zane- sville	Ind.	Lawrence- burg	Iowa	Cedar	Mass.	Boston	Mass.	Boston	Phila- delphia	Phila- delphia	Pa.	Reading
Town			Phila- delphia	New Cumber- land	Canton	lb.	lb.	lb.	\$	lb.	\$	lb.	lb.	ton	\$	ton	ton	ton	ton	ton	ton
Reference	Unit	Price	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
			.12	.11	.10	.08	.12 1/4	.18	.10	.10	.10	.10	.10	6.00	5.75	5.00	3.41	2.50	—	—	—
1860	100	—	100	100	100	100	100	100	100	100	100	—	—	100	100	100	100	100	100	100	100
1861	77	100	136	60	100	80	67	100	80	67	100	100	90	98	121	100	100	100	100	100	100
1862	69	125	136	80	100	80	83	120	80	83	120	97	117	117	117	100	123	100	100	100	100
1863	92	150	136	100	100	100	83	120	120	83	120	113	175	173	173	120	186	180	186	180	180
1864	123	167	136	250	125	168	111	150	168	111	150	153	217	220	220	130	277	220	277	220	220
1865	154	208	136	250	150	160	150	200	160	150	200	175	217	229	229	140	281	260	281	260	260
1866	177	208	145	200	163	200	83	280	200	83	280	180	204	192	180	218	260	218	260	260	260
1867	154	200	145	200	188	200	83	280	200	83	280	177	146	161	160	179	220	161	179	220	220
1868	154	200	145	180	213	200	83	180	200	83	180	168	150	151	160	185	220	151	160	185	220
1869	192	183	145	150	213	160	83	180	160	83	180	164	154	170	150	216	160	154	150	216	160
1870	177	183	145	125	188	160	83	180	160	83	180	154	146	141	150	200	140	141	150	200	140
1871	138	167	100	180	100	160	83	200	160	83	200	139	142	152	160	194	140	142	160	194	140
1872	138	158	100	200	100	160	83	200	160	83	200	144	142	143	140	140	140	142	140	140	140
1873	154	158	109	160	125	144	78	150	144	78	150	137	150	154	135	183	160	150	135	183	160
1874	154	150	109	160	156	144	78	120	144	78	120	136	138	143	130	183	180	138	130	183	180
1875	131	142	109	180	156	144	72	125	144	72	125	134	133	138	120	187	200	133	120	187	200
1876	123	133	100	160	156	120	72	125	120	72	125	124	115	118	100	159	170	115	100	159	170
1877	115	133	100	150	150	120	83	150	120	83	150	127	96	100	100	144	160	96	100	144	160
1878	123	133	109	150	125	120	83	150	120	83	150	122	—	112	95	143	150	112	95	143	150
1879	92	142	109	125	150	120	83	150	120	83	150	118	90	88	90	139	144	88	90	139	144
1880	131	150	127	150	163	120	100	150	120	100	150	135	100	102	115	157	170	100	115	157	170

TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity			Anthracite			Coal			Bituminous			Codfish—Dry					
State	Ohio		West Va.	Ohio		Ohio	Ohio		Ind.	Ill.	Conn.	Pa.	West Va.	Ohio	Ohio		
Town	Zanes-ville		New Cumberland	Canton		Spring-field	Zanes-ville		Lawrence-burg	Rock Island	Jewett City	Phila-delphia	land	Canton	Zanesville		
Reference	96		96	94		96	96		94	94	Average	85	89	75	82		
Unit	ton		ton	ton		ton	ton		ton	ton	lb.	lb.	lb.	lb.	lb.		
Base	\$		\$	\$		\$	\$		\$	\$	\$	\$	\$	\$	\$		
price	3.00		1.40	2.00		3.50	1.50		3.50	3.12	.05	.04	.06	.10	.05		
1860	100	100	100	100	—	—	100	100	100	100	100	—	100	100	100		
1861	100	103	171	88	100	100	100	93	80	105	80	100	133	100	100		
1862	133	115	179	100	100	100	100	114	96	115	100	100	167	100	100		
1863	167	167	214	175	100	200	200	114	104	151	130	125	167	100	140		
1864	167	205	214	175	100	200	200	129	104	154	160	150	167	100	160		
1865	167	216	196	150	100	200	200	114	104	144	160	175	167	100	200		
1866	167	200	196	150	100	200	200	107	104	143	160	225	167	100	200		
1867	167	172	179	150	100	200	200	100	104	139	160	250	167	100	200		
1868	167	172	143	150	100	200	200	100	104	133	140	250	167	100	200		
1869	167	170	143	150	100	200	200	100	104	133	160	225	167	100	200		
1870	167	157	125	150	100	200	200	100	104	130	160	200	167	100	200		
1871	167	159	135	175	100	200	200	100	104	135	150	200	167	100	180		
1872	167	152	125	175	100	200	200	100	104	135	140	200	167	100	180		
1873	167	158	143	150	100	200	183	100	104	130	140	200	167	100	180		
1874	150	154	143	150	100	200	183	100	96	129	140	200	167	100	160		
1875	150	155	143	150	100	200	167	100	96	126	140	175	167	100	160		
1876	150	135	143	150	100	200	167	100	96	127	140	188	133	100	160		
1877	133	122	125	150	93	167	167	100	96	122	140	150	133	100	160		
1878	133	127	125	150	93	150	150	100	96	119	120	150	133	100	160		
1879	133	114	125	138	107	150	150	93	96	118	120	150	117	100	160		
1880	133	130	125	138	114	150	150	100	96	121	120	125	117	100	160		



TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity		Codfish—Dry				Coffee					Rio Roasted	
State	Ind.	Iowa	Pa.	Md.	West Va.	Ohio	Rio Green	Ohio	Ind.	Iowa	Conn.	
Town	Lawrence-	Cedar	Phila-	Balti-	New	Canton	Spring-	Zanes-	Lawrence-	Cedar	Jewett	
	burg	Rapids	delphia	more	Cumber-		field	ville	burg	Rapids	City	
Reference	56	58	41	29	48	36	39	39	28	28	Average	
Unit	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
price	.10	.06	.11	.16	.12	.16	.15	.15	.25	.08	.20	
1860	100	—	—	100	100	100	100	100	100	—	100	
1861	100	100	100	100	125	94	80	100	100	100	101	
1862	100	117	118	150	150	125	100	100	140	125	131	
1863	100	133	155	219	167	250	100	138	140	318	186	
1864	120	175	291	250	208	318	167	167	160	488	257	
1865	120	208	318	219	208	250	267	167	140	488	251	
1866	100	208	309	188	167	250	383	200	160	375	248	
1867	100	167	309	156	208	219	383	200	100	375	232	
1868	100	167	278	156	167	188	267	167	100	375	207	
1869	100	167	273	150	167	188	283	167	120	156	179	
1870	100	167	255	150	167	200	200	167	120	156	174	
1871	120	133	255	125	150	156	120	167	120	318	171	
1872	120	133	236	138	150	156	120	147	120	318	171	
1873	110	133	218	163	150	156	120	147	120	250	166	
1874	100	133	200	144	150	156	113	138	120	250	161	
1875	100	133	209	150	150	156	113	138	100	250	158	
1876	100	133	182	138	150	156	113	138	100	188	143	
1877	100	117	164	125	150	144	113	138	100	188	140	
1878	100	117	183	113	150	138	120	138	100	188	141	
1879	80	117	127	88	150	138	107	138	80	188	138	
1880	80	100	118	88	150	125	100	138	80	188	118	

TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Coffee—Rio Roasted										Corn meal				
	Pa. Phila. delphia	Md. Balti- more	West Va. New Cumberland	Ohio Spring- field	Ohio Zanes- ville	Ind. Lawrence- burg	Iowa Cedar Rapids	Average		Mass. Boston	Conn. Jewett City	Pa. Phila. delphia	West Va. New Cumber- land	Ohio Canton	Ohio Spring- field
Reference	41	29	43	39	39	28	28			59	46	85	89	75	79
Unit	lb.	lb.	lb.	lb.	lb.	lb.	lb.			bbl.	bbl.	bbl.	bbl.	bbl.	bbl.
Base	\$	\$	\$	\$	\$	\$	\$			\$	\$	\$	\$	\$	\$
price	.16	.20	.14	.18	.16	.30	.10			4.87	3.92	3.00	1.50	3.00	2.25
1860	—	100	100	100	100	100	—	100	100	100	100	—	100	100	100
1861	100	100	143	100	94	100	100	103	100	62	100	100	133	100	156
1862	113	150	179	100	94	133	120	124	70	75	75	100	150	117	156
1863	138	210	179	100	113	133	200	147	97	75	75	108	167	160	156
1864	238	250	214	167	125	150	450	215	146	150	150	133	167	200	222
1865	281	210	214	250	125	133	450	225	132	150	150	200	167	200	267
1866	281	180	179	333	156	150	350	221	101	150	150	200	150	117	356
1867	281	150	214	333	156	100	250	204	128	150	150	200	150	117	356
1868	250	150	179	278	125	100	250	185	124	150	150	167	133	150	267
1869	250	150	179	222	125	117	150	171	102	150	150	158	133	138	267
1870	238	150	179	194	125	117	150	166	103	150	150	133	133	138	267
1871	238	125	143	139	175	117	300	175	84	125	125	117	150	167	156
1872	238	140	143	139	175	117	250	169	74	100	100	108	150	138	156
1873	219	160	157	139	156	117	250	167	71	100	100	108	150	100	156
1874	188	140	164	139	156	117	250	163	66	100	100	117	150	167	156
1875	200	150	164	139	144	100	200	156	81	125	125	100	150	167	156
1876	175	140	200	139	144	100	200	155	62	125	125	117	167	138	156
1877	156	125	186	139	144	100	200	149	64	125	125	100	167	138	156
1878	138	110	157	139	144	100	200	139	41	100	100	92	167	138	156
1879	125	90	157	122	144	83	200	130	49	100	100	92	167	100	156
1880	119	90	136	117	138	83	200	125	52	100	100	90	167	117	156

TABLE 4—(CONTINUED.)

[illegible]



TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity		Prints—Merrimac		Cotton Textiles										Sheetings—bleached				Ind.		Ind.		Ill.		Average
State	Ind.	New Albany	Bloom-ington	Mass.	Pa.	West Va.	New West Va.	Wheel- ing	Canton	Ohio	Chas- tin	Ohio	Zanes- ville	Lawrence- burg	New Albany	Bloom- ington	Ill.							
Town	Reference	10	6	Woburn	Castle New	Castle New	Castle New	Castle New	Castle New	Castle New	Castle New	Castle New	Castle New	Castle New	Castle New	Castle New	Castle New	Castle New	Castle New	Castle New				
Unit	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.				
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$				
price	.10	.12½	.14	.17	.10	.15	.15	.15	.15	.15	.25	.25	.13	.30	.09½	.15	.15	.15	.15	.15				
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100				
1861	105	100	114	118	200	107	100	100	100	100	100	100	100	100	100	100	100	100	100	100				
1862	200	200	321	165	850	238	250	238	250	238	250	238	250	130	169	217	242	200	200	228				
1863	300	240	357	294	450	338	367	338	367	338	367	338	367	150	231	317	400	300	300	320				
1864	400	360	342	353	500	538	538	538	538	538	538	538	538	160	577	338	579	400	400	422				
1865	250	440	286	353	600	400	400	400	400	400	400	400	400	170	346	288	474	438	381	381				
1866	200	320	271	324	500	300	300	300	300	300	300	300	300	160	269	300	421	300	321	321				
1867	150	200	271	294	400	267	267	267	267	267	267	267	267	160	231	267	347	200	274	274				
1868	125	144	271	235	250	238	238	238	238	238	238	238	238	150	281	217	295	167	228	228				
1869	110	120	214	194	180	200	200	200	200	200	200	200	200	140	169	200	242	167	189	189				
1870	100	120	214	176	180	200	200	200	200	200	200	200	200	130	169	167	190	138	171	171				
1871	100	120	214	147	130	147	120	147	120	147	120	147	120	64	138	167	190	138	144	144				
1872	100	120	186	135	120	100	100	100	100	100	100	100	100	60	115	167	168	138	130	130				
1873	100	120	171	135	120	100	100	100	100	100	100	100	100	56	115	167	158	120	124	124				
1874	95	100	157	124	120	100	100	100	100	100	100	100	100	56	115	150	187	130	118	118				
1875	90	80	150	118	120	100	100	100	100	100	100	100	100	56	115	150	121	100	111	111				
1876	85	80	121	106	120	83	83	83	83	83	83	83	83	56	115	133	121	100	104	104				
1877	80	61	114	106	120	83	83	83	83	83	83	83	83	56	92	138	116	100	100	100				
1878	75	64	100	94	120	83	83	83	83	83	83	83	83	50	92	117	111	83	93	93				
1879	75	64	86	88	120	83	100	100	100	100	100	100	100	50	92	100	105	83	91	91				
1880	75	64	64	100	120	83	100	100	100	100	100	100	100	50	96	117	105	83	92	92				

TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Cotton Textiles										Shirtings—bleached			
	State	Pa.	West Va.	West Va.	Ohio	Ohio	Ind.	Ind.	Ill.	Average	Mass.	Conn.	Shirtings—bleached	
Town	Woburn	New Castle	Cumberland	Wheeling	Canton	Cincinnati	Zanesville	Jeffersonville	Bloomington		Woburn	Jewett City	Mass.	Conn.
Reference	13	20	22	22	16	17	19	9	10	6	13	4	yard	yard
Unit	yard	yard	yard	yard	yard	yard	yard	yard	yard	yard	yard	yard	yard	yard
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
price	.13	.12½	.08	.12½	.12½	.20	.13	.15	.28	.15	.12½	.16		
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	115	120	225	120	96	125	138	167	107	135	135	104	81	133
1862	308	200	375	240	280	150	169	167	214	232	233	320	100	200
1863	346	360	500	360	400	175	231	167	321	684	333	360	234	333
1864	308	440	625	600	600	190	562	167	357	877	433	280	375	280
1865	346	400	625	400	520	200	308	167	304	684	500	240	419	240
1866	308	240	500	320	400	190	269	167	321	555	333	240	344	328
1867	308	224	375	200	320	190	231	167	286	490	233	240	206	275
1868	308	200	313	200	240	175	231	167	232	361	200	239	240	138
1869	269	200	225	—	200	163	169	167	196	297	200	200	138	209
1870	269	160	225	—	160	150	169	167	161	232	133	200	125	183
1871	231	144	125	120	120	75	138	100	143	232	133	200	100	142
1872	192	144	125	112	120	70	115	100	161	200	133	184	100	133
1873	177	136	125	112	100	65	115	100	161	168	130	125	152	100
1874	162	128	125	100	100	65	115	100	143	168	100	119	136	100
1875	154	120	125	80	100	63	115	100	143	155	100	114	128	94
1876	123	100	125	80	80	63	115	100	125	148	100	105	120	75
1877	115	100	125	80	80	63	92	100	125	142	100	102	112	75
1878	108	100	125	88	96	63	92	100	107	135	98	98	96	63
1879	100	80	125	88	96	63	92	100	96	135	88	88	88	63
1880	92	100	125	88	80	63	96	100	114	135	80	80	80	69

TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Cotton Textiles										Average	Shirtings—brown	
	State	Pa.	West Va.	West Va.	Ohio	Shirtings—bleached	Ind.	Ind.	Ind.	Ill.		Mass.	Conn.
Town	Reference	New Castle	New Cumberland	Wheeling	Canton	Cincinnati	Zanesville	Evansville	Jeffersonville	New Albany	Bloomington	Woburn	Jewett City
Unit	20	22	22	22	16	17	19	8	9	10	6	13	4
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
price	.15	.08	.10	.10	.12½	.15	.10	.10	.12½	.08½	.12½	.11	.12½
1860	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	120	225	150	120	83	150	120	100	120	113	120	100	88
1862	167	375	300	240	90	200	200	135	160	176	200	318	112
1863	300	500	400	400	133	300	300	350	280	360	320	409	280
1864	373	625	800	600	267	267	650	600	440	600	440	227	400
1865	367	625	500	480	267	267	350	650	600	360	480	227	440
1866	333	500	400	360	300	300	300	400	528	320	320	227	360
1867	300	225	250	280	280	167	250	350	400	240	353	227	264
1868	233	225	250	200	200	167	250	800	400	184	180	227	160
1869	200	188	200	130	130	133	150	250	160	160	160	182	144
1870	167	188	180	144	144	100	150	250	100	160	144	182	136
1871	133	150	200	128	128	300	150	150	100	120	144	182	128
1872	133	150	150	128	128	267	120	180	100	120	147	164	112
1873	130	150	150	120	120	167	120	167	100	128	128	155	112
1874	120	150	125	120	120	167	120	180	100	120	126	145	120
1875	113	150	125	100	100	133	120	125	100	100	100	136	104
1876	107	150	125	96	96	120	120	100	100	92	106	127	80
1877	107	150	125	80	107	107	80	100	100	100	106	118	80
1878	83	150	125	80	80	100	80	85	100	80	100	100	64
1879	83	150	125	96	96	73	80	100	100	92	100	91	64
1880	87	150	125	100	100	67	100	100	88	88	88	73	72

TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Shirtings—brown										Cotton Textiles										Ticking						
	Pa.					West Va.					Ohio					Shirtings—brown					Cotton Textiles					Ticking	
	New Castle	West Va.	West Va.	West Va.	Ohio	Ohio	Cincin- nati	Zanes- ville	Evans- ville	Ind.	Ind.	Jeffers- sonville	Lawrence- burg	New Albany	Ind.	Ill. Bloom- ington	Average	Mass. Woburn	Conn. Jewett City								
Reference	20	22	22	22	16	17	19	8	9	10	10	10	10	10	6			13	4								
Unit	yard	yard	yard	yard	yard	yard	yard	yard	yard	yard	yard	yard	yard	yard	yard	yard		yard	yard								
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$		\$	\$								
price	.10	.06	.10	.10	.09	.10	.10	.08½	.10	.08	.12½							.17	.22								
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100								
1861	120	250	125	111	150	150	150	100	150	113	111	120	130	111	100	100	130	111	100								
1862	220	417	250	222	500	200	200	118	200	225	222	240	250	259	114	240	250	259	114								
1863	400	500	400	556	600	350	588	300	563	741	360	465	465	259	150	380	465	259	150								
1864	500	667	750	833	750	750	700	882	500	813	963	651	651	259	250	480	651	259	250								
1865	450	667	500	556	750	750	350	824	750	500	741	563	563	265	305	560	563	265	305								
1866	250	500	400	444	650	300	588	600	500	593	360	444	444	235	273	360	444	235	273								
1867	220	250	250	389	550	250	471	500	313	519	240	342	342	235	191	240	342	235	191								
1868	200	250	250	278	550	250	235	500	250	250	200	286	286	235	127	200	286	235	127								
1869	200	200	200	222	500	150	212	200	225	296	200	225	225	176	114	200	225	176	114								
1870	160	200	180	167	450	150	196	100	213	222	160	194	194	176	114	160	194	176	114								
1871	150	167	150	139	450	150	147	100	156	222	144	176	176	147	105	144	176	147	105								
1872	150	167	125	139	400	150	176	100	175	185	144	168	168	141	105	144	168	141	105								
1873	150	167	125	139	250	150	165	100	188	148	128	152	152	141	100	128	152	141	100								
1874	125	167	100	133	250	120	147	100	188	148	100	142	142	129	114	100	142	129	114								
1875	125	167	100	122	200	120	141	100	125	133	100	129	129	118	109	100	129	118	109								
1876	100	167	100	111	180	120	118	100	138	126	100	121	121	118	91	100	121	118	91								
1877	100	167	100	111	160	80	100	100	138	119	100	113	113	112	82	100	113	112	82								
1878	100	167	100	89	150	80	88	83	125	111	80	103	103	100	73	80	103	100	73								
1879	90	167	100	89	110	80	106	83	125	111	80	100	100	88	68	80	100	88	68								
1880	100	167	100	100	100	80	100	83	113	111	80	98	98	82	77	80	98	82	77								



TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	State	Pa. New Castle	Cotton Textiles												Shirtings--brown Mass. Woburn	Shirtings--brown Conn. Jewett City
			Shirtings--bleached				Cotton Textiles				Cotton Textiles					
			West Va. New Cumberland	West Va. Wheel- ing	Ohio Canton	Ohio Cincin- nati	Ohio Zanes- ville	Ind. Evans- ville	Ind. Jeffers- sonville	Ind. Lawrence- burg	Ind. New Albany	Ill. Bloom- ington	Average			
Reference	Unit	20	22	22	22	16	17	19	8	9	10	10	6	13	4	
Base	price	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	yard	yard	
		.15	.08	.10	.10	.12½	.15	.10	.10	.12½	.12½	.08½	.12½	.11	.12½	
1860		100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1861		120	225	150	150	120	83	150	100	120	120	112	120	128	100	
1862		167	375	300	300	240	90	200	125	160	176	235	200	207	818	
1863		300	500	400	400	400	133	300	350	280	360	412	320	385	409	
1864		373	625	800	800	600	267	650	600	440	600	588	440	511	227	
1865		367	625	500	500	480	267	350	650	600	360	471	480	447	227	
1866		333	500	400	400	360	300	300	400	528	320	412	320	366	227	
1867		300	225	250	250	280	167	250	350	400	240	353	200	266	227	
1868		233	225	250	250	200	167	250	300	400	184	294	160	234	227	
1869		200	188	200	188	200	133	150	250	160	160	235	160	176	182	
1870		167	188	180	180	144	100	150	250	100	160	176	144	160	182	
1871		133	150	200	150	128	300	150	150	100	120	176	144	158	182	
1872		133	150	150	150	128	267	120	180	100	120	147	144	147	164	
1873		133	150	150	150	120	167	120	167	100	128	147	128	136	155	
1874		120	150	125	125	100	167	120	130	100	120	129	120	126	145	
1875		113	150	125	125	100	133	120	125	100	100	118	100	116	186	
1876		107	150	125	125	96	120	120	100	100	92	106	100	109	127	
1877		107	150	125	125	80	107	80	100	100	100	106	100	103	118	
1878		83	150	125	125	80	100	80	85	100	80	100	80	94	100	
1879		83	150	125	125	96	73	80	100	100	92	100	80	95	91	
1880		87	150	125	125	100	67	100	100	88	88	100	88	90	73	

TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Eggs			Flour—Rye			Iowa Cedar Rapids
	State	West Va.	Ohio	Ind.	Lawrence- burg	Ohio	
Town	Spring- field	Zanes- ville	Ohio	Ind.	Lawrence- burg	Ohio	Iowa Cedar Rapids
Reference	89	75	80	82	82	82	
Unit	doz.	doz.	doz.	doz.	doz.	doz.	bbl.
Base	\$	\$	\$	\$	\$	\$	
price	.10	.10	.07	.15	.15	.15	2.00
1860	100	100	100	100	100	100	—
1861	120	60	143	40	100	100	100
1862	140	100	143	67	100	100	125
1863	140	120	171	67	75	200	141
1864	140	100	186	100	75	200	350
1865	140	100	214	100	150	300	375
1866	120	100	229	100	150	300	875
1867	120	100	214	100	75	500	300
1868	120	100	200	133	175	500	250
1869	120	100	200	133	90	300	250
1870	100	100	186	100	90	400	250
1871	140	120	143	100	100	400	200
1872	120	100	171	100	100	400	200
1873	120	150	171	100	125	300	225
1874	100	120	186	100	100	300	165
1875	100	160	171	100	90	300	250
1876	100	150	171	100	90	300	275
1877	100	140	171	100	75	300	300
1878	120	120	186	100	100	300	250
1879	140	120	171	100	100	300	94
1880	140	120	179	100	75	300	250

TABLE 4—(CONTINUED.)  
*Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.*

Commodity	State	Town	Reference	Flour									
				Wheat—Extra Family					Wheat—Superfine				
				Conn.	Pa.	West Va.	Ohio	Ohio	Pa.	West Va.	Ohio	Ohio	Ohio
				Jewett City	Phila- delphia	New Cumberland	Spring- field	Zanes- ville	Phila- delphia	New Cumberland	Spring- field	Zanes- ville	Zanes- ville
				46	85	89	79	82	85	89	79	82	82
				bbl.	bbl.	bbl.	bbl.	bbl.	bbl.	bbl.	bbl.	bbl.	bbl.
				\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
				8.50	8.00	6.00	4.50	4.75	6.50	4.50	4.00	5.25	5.25
				Average									
				100	100	100	100	100	100	100	100	100	100
				91	100	125	100	105	100	133	125	114	114
				94	113	133	108	111	105	156	113	114	114
				100	150	142	117	179	138	167	113	181	181
				124	188	142	167	190	185	167	200	190	190
				135	200	147	167	200	192	167	250	200	200
				176	200	142	133	211	192	156	300	229	229
				194	200	142	167	289	188	156	300	229	229
				176	188	133	133	200	177	150	225	210	210
				135	175	133	150	200	169	150	213	210	210
				109	163	133	150	200	154	150	200	210	210
				118	138	100	—	144	123	122	150	190	190
				141	122	100	—	167	108	122	175	190	190
				147	125	100	140	144	108	122	150	171	171
				147	131	100	142	133	115	122	138	152	152
				118	103	100	117	144	100	122	150	152	152
				129	119	104	133	144	115	128	150	143	143
				129	113	104	133	156	108	128	163	138	138
				118	113	113	117	144	108	128	150	114	114
				109	100	113	108	84	92	133	150	95	95
				112	94	108	108	84	100	133	150	95	95
				132	112	108	150	84	100	133	150	95	95

TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	State	Town	Flour Wheat, Superfine	Lard										Mackerel—Pickled		
				Mass. Boston	Conn. Jewett City	Conn. New London	Pa. New Castle	Pa. Phila- delphia	West Va. New Cumberland	Ohio Canton	Ohio Zanes- ville	Ind. Lawrence- burg	Average	Conn. Jewett City	Pa. Phila- delphia	
Reference	Unit	57	Average	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.		lb.	lb.	
1860	Base	3.00	100	.128	.14	.12	.07	.10	.10	.09	.10	.15	100	.09	.08	
1861	price	—	100	100	100	100	—	—	100	100	100	100	100	100	—	
1862	bbl.	100	111	85	93	117	100	100	120	67	100	100	98	78	100	
1863	108	117	117	77	89	117	114	105	140	89	120	100	106	89	113	
1864	267	162	162	88	89	117	129	105	140	133	180	100	120	89	125	
1865	267	189	189	119	157	117	143	140	140	200	200	100	146	122	175	
1866	300	208	208	199	200	117	186	180	140	222	220	100	174	111	200	
1867	300	225	225	169	179	133	214	190	150	222	220	100	175	111	225	
1868	233	218	218	116	136	150	257	220	150	167	250	107	173	133	225	
1869	200	188	188	136	157	150	257	200	150	200	250	107	179	156	250	
1870	200	179	179	148	179	150	257	185	140	222	250	107	182	178	250	
1871	200	170	170	142	150	117	229	180	140	200	200	100	162	144	225	
1872	200	149	149	96	121	100	171	150	80	139	200	80	136	133	225	
1873	200	154	154	85	100	100	171	140	80	111	180	80	116	133	213	
1874	217	150	150	83	93	100	143	140	100	89	180	80	112	111	213	
1875	200	142	142	102	107	100	143	140	100	133	180	87	121	111	200	
1876	200	140	140	127	129	100	143	160	120	156	150	87	130	100	188	
1877	233	148	148	114	121	100	143	170	140	133	150	80	128	111	175	
1878	233	147	147	89	100	100	143	140	140	100	120	67	111	111	150	
1879	217	137	137	84	79	100	143	100	120	89	120	67	100	111	150	
1880	200	127	127	64	71	100	143	100	140	78	100	80	97	89	150	
1880	200	129	129	71	79	100	143	100	160	100	120	87	107	89	163	

TABLE 4—(CONTINUED.)  
*Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.*

Commodity	Mackerel—Pickled				Milk				Average			
	State	West Va.	Ohio	Ind.	Pa.	West Va.	Ohio	Ind.	Pa.	West Va.	Ohio	Ind.
Town	Cumberland	New Canton	Ohio Canton	Lawrence- burg	Philadel- phia	New Canton	Ohio Canton	Lawrence- burg	Philadel- phia	New Canton	Ohio Canton	Lawrence- burg
Reference	89	75	82	56	85	89	75	56	85	89	82	56
Unit	lb.	lb.	lb.	lb.	qt.	qt.	qt.	qt.	qt.	qt.	qt.	qt.
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
price	.04	.08	.10	.08	.06	.04	.03	.07	.06	.04	.05	.07
1860	100	100	100	100	—	100	100	100	—	100	100	100
1861	150	75	50	100	100	200	183	120	100	200	100	100
1862	200	100	60	100	100	200	167	120	100	200	100	114
1863	200	125	70	125	117	200	200	160	138	200	160	125
1864	200	125	80	188	117	250	267	160	138	250	183	143
1865	200	125	100	125	167	250	200	160	138	250	183	143
1866	200	125	100	125	167	200	200	160	167	200	167	143
1867	175	125	90	150	167	200	200	160	167	200	160	129
1868	175	125	80	100	167	200	200	140	167	200	140	129
1869	175	125	80	100	150	200	200	140	167	200	140	114
1870	175	125	80	100	133	175	200	140	167	175	140	100
1871	200	125	80	125	133	125	200	100	133	125	100	100
1872	200	100	80	125	133	125	200	100	133	125	100	100
1873	200	100	80	125	133	125	167	100	133	125	100	100
1874	200	100	80	100	117	150	167	100	133	150	100	100
1875	225	125	80	100	117	150	167	100	133	150	100	100
1876	200	125	70	100	117	150	167	100	133	150	100	100
1877	200	125	80	75	117	150	167	100	133	150	100	100
1878	200	125	80	63	117	150	167	100	133	150	100	100
1879	200	100	80	63	117	150	167	100	133	150	100	100
1880	200	100	80	63	117	150	167	100	133	150	100	100

TABLE 4—(CONTINUED.)  
*Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.*

Commodity	Molasses														
	New Orleans					Mass.					Porto Rico and Cienfuegos				
	State	Pa.	Md.	West Va.	Ohio	Ind.	Iowa	Conn.	Mass.	Pa.	Md.	West Va.	Ohio		
Town	Phila- delphia	Balti- more	Cumber- land	New Canton	Zanes- ville	Lawrence- burg	Cedar Rapids	Jewett City	Boston	Phila- delphia	Balti- more	Cumber- land	Canton		
Reference	41	29	43	36	39	28	28	23	30	41	29	43	36		
Unit	gal.	gal.	gal.	gal.	gal.	gal.	gal.	gal.	gal.	gal.	gal.	gal.	gal.		
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$		
price	.40	.50	.40	.40	.50	.60	.50	.48	.26	.40	.40	.25	.35		
1860	—	100	100	100	100	100	—	100	—	—	100	100	—		
1861	100	80	125	100	100	100	100	92	100	100	88	200	100		
1862	125	100	188	250	100	100	100	117	123	100	100	240	171		
1863	150	120	225	875	150	133	125	125	180	125	125	320	357		
1864	175	200	250	375	200	267	160	232	298	163	250	360	357		
1865	200	—	225	313	200	250	220	235	245	200	200	320	286		
1866	275	200	225	250	250	167	240	230	223	200	200	360	243		
1867	275	200	200	250	250	167	160	215	198	188	200	300	243		
1868	275	200	200	250	240	125	180	210	206	188	200	300	229		
1869	250	200	200	250	240	133	160	205	239	188	200	300	229		
1870	250	—	188	250	240	133	140	200	170	150	188	240	229		
1871	238	160	188	250	240	138	200	201	214	167	150	160	257		
1872	225	160	188	225	240	133	200	196	185	150	150	160	229		
1873	213	176	188	200	200	133	200	187	182	167	138	150	214		
1874	188	176	163	188	200	133	200	178	217	188	138	150	200		
1875	175	176	163	188	200	125	180	172	190	156	125	150	200		
1876	175	150	163	188	150	125	180	162	183	175	125	160	200		
1877	175	160	200	175	150	125	160	164	193	167	120	150	171		
1878	175	160	200	175	150	117	160	162	262	140	113	150	171		
1879	163	160	188	175	150	117	140	156	138	121	113	150	171		
1880	175	160	163	163	140	100	140	149	171	140	100	150	157		

TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity		Porto Rico and Cienfuegos,				Molasses		Mousselines de laine											
State	Ind.	Ohio	Ohio	Iowa	Cedar	Zanes-	Average	Mass,	Conn.	Pa.	West Va.	West Va.	Ohio	Ohio	Ind.				
Town	Lawrence-	Spring-	Zanes-	Ohio	Rapids	ville		Woburn	Jewett	New	New	Wheel-	Canton	Chad-	Jeff-				
Reference	28	39	39	39	28	gal.	gal.	yd.	yd.	yd.	yd.	ing	County	ron-	erson-				
Unit	gal.	gal.	gal.	gal.	gal.	gal.	gal.	yd.	yd.	yd.	yd.	ing	County	ron-	erson-				
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$				
price	.40	.50	.55	.55	.30	.30	.30	.33	.25	.25	.15	.25	.25	.25	.20				
1860	100	—	100	100	—	—	100	100	100	100	100	100	100	100	100				
1861	125	100	109	100	100	100	111	100	88	100	200	124	100	100	233				
1862	125	120	100	100	100	100	131	91	100	120	267	150	120	100	267				
1863	188	150	154	133	133	133	186	91	150	140	400	160	160	150	800				
1864	250	150	218	133	133	133	241	100	250	180	467	240	200	160	467				
1865	250	150	227	167	167	167	225	115	268	160	467	200	150	160	267				
1866	200	160	227	167	167	167	217	106	268	140	267	150	120	160	233				
1867	200	200	273	200	200	200	219	91	200	120	133	140	100	140	167				
1868	150	20	227	233	233	233	212	91	136	100	133	120	100	120	167				
1869	150	—	227	200	200	200	213	76	112	100	100	100	100	120	167				
1870	150	—	227	167	167	167	188	76	100	100	100	100	100	100	167				
1871	150	—	227	200	200	200	186	76	100	88	100	100	100	100	167				
1872	150	—	227	200	200	200	179	76	88	80	100	100	100	100	167				
1873	150	—	209	200	200	200	179	76	88	80	100	100	100	100	167				
1874	138	—	209	200	200	200	182	73	100	80	100	100	100	80	167				
1875	138	—	182	167	167	167	163	67	92	80	100	100	100	80	167				
1876	125	—	182	167	167	167	163	64	80	80	100	100	100	80	167				
1877	125	—	182	167	167	167	168	61	80	64	100	100	100	80	167				
1878	125	—	145	167	167	167	168	61	68	64	100	80	60	80	167				
1879	100	—	145	133	133	133	139	58	68	64	100	80	60	80	167				
1880	100	—	136	133	133	133	139	55	80	60	100	80	60	80	167				

TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Mousselines de laine			Chops			Mutton			Fore-quarters		
	State	Ind.	Ind.	Ill.	Conn.	N. J.	Pa.	Pa.	West Va.	Ohio	Mass.	N. J.
Town	Lawrence- burg	New Albany	Bloom- ington	Average	London	Camden	New Castle	Phila- delphia	New Cumberland	Zanes- ville	Boston	Camden
Reference	10	10	6		48	65	83	85	89	82	59	65
Unit	yd.	yd.	yd.		lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.
Base	\$	\$	\$		\$	\$	\$	\$	\$	\$	\$	\$
price	.25	.18	.25		.16	.12	.10	.10	.08	.10	.103	.07
1860	100	100	100	100	100	100	—	—	100	100	100	100
1861	100	111	100	128	100	117	100	100	150	70	95	130
1862	140	167	100	150	100	117	100	110	150	70	61	130
1863	160	194	140	185	100	125	125	120	150	80	117	130
1864	260	222	140	238	100	150	125	140	150	80	117	130
1865	180	167	160	206	113	208	125	180	150	90	124	140
1866	160	139	120	170	113	208	125	180	150	100	112	140
1867	120	125	100	134	125	193	125	180	150	120	104	140
1868	100	111	100	121	125	208	125	180	150	130	107	140
1869	100	100	100	113	125	167	125	160	150	120	124	140
1870	100	100	100	110	113	150	125	160	150	120	109	120
1871	100	100	80	99	100	183	125	150	125	120	88	120
1872	100	100	80	97	100	167	125	150	125	131	97	120
1873	100	100	72	97	100	150	120	150	125	120	89	120
1874	—	83	72	94	100	150	120	130	125	120	87	120
1875	—	83	72	92	100	150	120	140	125	110	87	120
1876	80	69	72	87	100	150	120	150	125	110	86	120
1877	80	69	60	85	100	150	120	140	150	100	78	120
1878	80	69	60	80	100	138	100	140	150	100	99	120
1879	80	69	60	80	100	133	100	130	125	100	86	120
1880	80	69	60	81	100	138	100	140	150	100	80	120



TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity		Mutton										Oil—coal		
State	Pa. New Castle	Fore-quarters					Ind. Evansville	Conn. New London	N. J. Camden	Leg		Pa. West Va. New Cumberland	Ohio Zanesville	Conn. Jewett City
		Pa. Phila. delphia	West Va. New Cumberland	Pa. lb.	Ohio lb.	Average								
Reference	83	85	89	82	54		48	65	83	85	89	82		102
Unit	lb.	lb.	lb.	lb.	lb.		lb.	lb.	lb.	lb.	lb.	lb.		gal.
Base price	\$.05	\$.05	\$.05	\$.05	\$.07½		\$.16	\$.09	\$.10	\$.10	\$.06	\$.07		1.00
1860	—	—	100	100	—		100	100	—	—	100	100		100
1861	100	100	140	100	100		110	100	100	100	150	86		108
1862	120	120	140	100	100		111	100	133	100	110	150	86	113
1863	140	120	140	120	167		131	100	133	120	120	150	100	121
1864	140	160	140	120	200		146	100	178	125	140	150	100	132
1865	140	240	140	140	200		162	113	244	125	180	150	114	154
1866	140	240	140	140	200		160	113	244	125	180	150	129	157
1867	160	240	140	160	200		163	125	232	125	180	150	129	155
1868	160	240	140	160	167		161	125	278	125	170	150	271	187
1869	160	220	140	160	167		157	125	222	125	160	150	143	154
1870	160	200	140	140	167		147	113	200	125	150	150	129	145
1871	140	160	120	140	167		138	100	222	125	140	133	114	139
1872	140	160	120	140	167		136	100	200	125	140	133	114	135
1873	140	160	120	140	167		135	100	178	120	140	133	114	131
1874	140	160	120	120	167		132	100	178	110	140	133	114	129
1875	120	140	120	120	167		127	100	178	110	130	133	100	125
1876	120	160	120	120	167		128	100	167	110	140	133	100	125
1877	120	140	120	120	133		120	100	167	125	130	133	100	126
1878	120	140	120	120	133		123	100	156	125	130	133	100	124
1879	120	140	120	120	133		121	100	156	125	120	133	86	120
1880	120	140	120	120	133		118	100	133	125	120	133	86	116

TABLE 4—(CONTINUED.)  
*Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.*

Commodity State Town	Oil—Coal				Average				Pork—Fresh			
	Conn. New Haven	New York Water- town	Pa. Norris- town	Pa. West Va. Phila. delphia	Ohio Zanes- ville	Ill. Rock Island	Mass. Boston	Conn. New London	Pa. New Castle	Pa. Phila. delphia	West Va. New Cumberland	Ohio Canton
Reference	102	102	102	102	102	102	60	48	83	85	89	75
Unit	gal.	gal.	gal.	gal.	gal.	gal.	lb.	lb.	lb.	lb.	lb.	lb.
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
price	1.00	1.12	.70	.25	.30	.35	.09	.11	.05	.10	.04	.04½
1860	100	—	100	100	100	—	100	100	—	—	100	100
1861	75	100	100	100	100	100	87	109	100	100	125	133
1862	75	45	100	100	133	100	85	109	110	100	150	133
1863	85	54	100	100	133	100	92	109	120	120	150	178
1864	75	73	171	400	167	100	128	109	200	140	150	278
1865	120	107	171	400	167	100	185	109	240	200	200	278
1866	90	67	143	320	133	117	141	155	260	220	200	333
1867	75	58	114	320	133	114	127	145	300	220	175	278
1868	75	54	107	280	133	86	116	145	220	200	175	333
1869	60	41	107	240	100	86	98	145	180	180	175	333
1870	60	36	93	240	83	86	91	159	160	160	150	278
1871	30	36	93	120	67	71	69	100	200	140	125	178
1872	50	36	93	100	67	71	66	104	200	140	125	178
1873	50	45	71	72	83	67	61	111	240	140	125	178
1874	45	18	71	56	83	67	55	100	240	150	125	222
1875	40	18	57	48	83	71	51	140	200	160	150	222
1876	40	18	50	52	67	71	49	117	200	160	150	222
1877	45	22	50	56	67	71	50	100	200	160	125	200
1878	30	13	43	48	50	67	41	103	200	100	150	178
1879	28	13	43	48	50	57	36	82	200	100	200	178
1880	28	11	36	48	50	57	35	89	200	100	200	178

TABLE 4—(CONTINUED.)  
*Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.*

Commodity State Town	Ohio Zanes- ville	Pork, Fresh—Shoulders					Pork, Preserved—Bacon				
		Conn. New London	Pa. West Va. Phila. delphia	Ohio New Canton	Ohio Spring- field	Ohio Zanes- ville	Ind. Lawrence- burg	Conn. New London	Pa. West Va. Phila. delphia	Ohio New Spring- field	Average
Reference	82	48	85	75	79	82	56	48	85	79	
Unit	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
price	.06	.08	.07	.06	.05	.06	.13	.12	.09	.08	.05 1/4
1860	100	100	100	100	100	100	100	100	100	100	100
1861	150	115	100	133	100	167	100	117	100	125	109
1862	150	120	100	133	100	200	115	117	100	150	109
1863	167	134	150	167	100	250	115	117	111	150	109
1864	300	186	143	171	160	300	123	117	133	175	218
1865	300	216	214	250	160	338	123	117	200	175	218
1866	300	228	229	208	160	333	92	133	200	150	218
1867	300	223	257	167	160	333	85	150	211	150	218
1868	300	217	200	214	160	333	88	205	200	150	182
1869	250	204	200	214	160	300	100	150	178	150	182
1870	200	176	175	200	160	300	115	133	156	150	182
1871	200	152	125	133	140	300	115	133	133	125	182
1872	200	150	125	133	140	300	108	133	133	125	182
1873	200	156	125	129	150	283	108	133	133	125	145
1874	167	160	125	114	133	283	108	133	139	125	145
1875	167	163	125	114	150	267	100	133	144	125	145
1876	167	159	125	129	133	267	100	133	144	125	145
1877	167	152	125	129	117	250	92	133	144	125	182
1878	150	140	125	114	100	250	92	133	111	125	182
1879	133	142	125	114	100	200	92	133	111	125	182
1880	133	143	125	100	150	167	85	133	111	150	182

TABLE 4—(CONTINUED.)  
*Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.*

Commodity	Bacon		Pork—Preserved Corned or Salted				Average			Hama, smoked	
	State	Ohio	Ind.	Mass.	Conn.	Pa.	Pa.	West Va.	Ohio	Mass.	Conn.
Town		Zanes-ville	Lawrence-burg	Boston	Jewett City	New Castle	Phila-delphia	New Cumberland	Zanes-ville	Boston	Jewett City
Reference		82	56	60	46	83	85	89	82	60	46
Unit		lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.
Base		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
price		.10	.18	.101	.12½	.04	.09	.06	.05½	.1127	.13
1860		100	100	100	100	—	—	100	100	100	100
1861		100	78	95	100	100	100	117	164	93	96
1862		120	83	89	80	109	125	133	182	84	77
1863		140	94	93	96	109	225	133	218	97	96
1864		180	97	139	176	109	250	133	291	154	150
1865		200	83	212	200	109	275	150	327	197	192
1866		200	67	183	192	127	275	200	327	182	182
1867		250	72	175	149	145	300	211	327	140	138
1868		250	78	168	145	160	325	200	364	210	169
1869		200	83	157	187	145	288	178	327	173	177
1870		180	100	150	180	127	225	156	327	161	154
1871		180	89	140	120	100	225	133	273	130	154
1872		180	83	139	100	100	200	133	273	121	127
1873		160	83	130	100	96	200	133	236	115	115
1874		160	78	130	121	100	250	139	236	116	108
1875		160	78	131	139	100	250	156	218	130	131
1876		150	83	130	130	100	200	156	218	131	131
1877		150	72	134	111	104	200	156	218	108	115
1878		150	67	128	97	80	175	111	182	111	96
1879		120	67	123	76	72	175	111	182	85	92
1880		120	69	128	91	72	175	111	182	99	96

TABLE 4--(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity		Hams, smoked					Pork—Preserved			Sausages					
State	Pa.	Pa.	West Va.	Ohio	Ohio	Ohio	Ind.	Average	Mass.	Conn.	Pa.	Phila- delphia	Pa.	West Va.	Ohio
Town	New Castle	Phila- delphia	New Cumberland	Canton	Spring- field	Zanes- ville	Lawrence- burg		Boston	New London	New Castle	Phila- delphia	New Cumberland	Spring- field	
Reference	83	85	89	75	79	82	56		60	48	82	85	89	80	
Unit	lb.	lb.	lb.	lb.	lb.	lb.	lb.		lb.	lb.	lb.	lb.	lb.	lb.	
Base	\$	\$	\$	\$	\$	\$	\$		\$	\$	\$	\$	\$	\$	
price	.10	.10	.12	.09	.07½	.11	.20		.1125	.12	.10	.10	.10	.07	
1860	—	—	100	100	100	100	100	100	100	100	—	—	100	100	
1861	100	100	117	139	107	109	75	104	97	117	100	100	120	100	
1862	110	100	133	139	107	136	85	107	100	117	100	100	140	100	
1863	150	120	133	167	107	164	90	122	93	117	125	120	140	100	
1864	180	150	133	222	200	182	95	157	113	117	125	150	140	114	
1865	200	240	150	278	200	227	80	186	192	117	150	200	150	114	
1866	200	250	150	244	200	227	75	183	176	133	150	220	150	114	
1867	180	250	167	200	200	227	78	171	142	150	125	220	160	114	
1868	180	240	167	222	173	227	80	174	133	150	125	200	160	114	
1869	170	200	167	222	173	182	90	168	148	150	125	180	160	114	
1870	140	180	150	222	173	182	100	158	149	117	125	170	150	114	
1871	150	170	100	200	167	182	95	145	110	100	125	160	100	129	
1872	150	160	100	187	167	182	95	137	98	100	125	160	100	129	
1873	150	160	100	139	167	164	90	130	98	100	125	160	120	129	
1874	150	160	117	167	167	164	90	134	98	100	100	170	120	129	
1875	120	160	133	178	167	145	90	135	103	100	100	160	120	129	
1876	120	160	150	178	167	145	85	137	114	100	100	160	100	129	
1877	100	150	133	156	167	145	80	125	98	100	100	140	120	129	
1878	100	130	125	139	167	136	70	117	100	100	100	120	120	129	
1879	100	130	133	122	167	136	70	114	80	100	100	120	130	129	
1880	120	120	125	139	167	109	75	115	80	100	100	120	120	129	

TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	State	Pork—Preserved			Sausages			Potatoes			Average			Houses of 4 Rooms			Rent
		Ohio	Mass.	Conn.	Pa.	West Va.	Ohio	Ohio	Ind.	Iowa	Average	Mass.	Conn.	Mass.	Conn.	N. J.	
Town		Zanesville	Boston	Jewett City	Phila. delphia	New Cumberland	Springfield	Zanesville	Lawrenceburg	Cedar Rapids		Boston	Jewett City	Boston	Jewett City	Camden	
Reference	82		60	46	85	89	80	82	56	58		104	104	104	104	106	
Unit	lb.		bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.		mo.	mo.	mo.	mo.	mo.	
Base	\$		\$	\$	\$	\$	\$	\$	\$	\$		\$	\$	\$	\$	\$	
price	.08 1/4		1.027	.50	.60	.35	.30	.60	.80	.20		5.00	2.00	5.00	2.00	6.50	
1860	100		100	100	—	100	100	100	100	—	100	100	100	100	100	100	
1861	118		81	90	100	143	133	83	94	100	103	100	100	100	100	100	
1862	141		94	110	100	214	133	83	125	175	129	100	100	100	100	100	
1863	176		93	100	125	214	167	100	150	200	144	100	100	100	100	92	
1864	212		153	180	133	214	250	133	94	200	170	140	100	140	100	92	
1865	235		117	160	150	214	233	167	94	200	173	140	100	140	100	115	
1866	235		117	120	167	214	333	167	188	350	207	140	100	140	100	115	
1867	235		111	140	167	171	333	133	100	175	166	140	100	140	100	115	
1868	235		151	200	167	171	267	167	100	250	184	200	100	200	100	123	
1869	235		117	124	150	171	250	167	106	200	161	200	100	200	100	154	
1870	212		109	120	150	143	200	167	113	200	150	200	100	200	100	185	
1871	188		125	168	183	171	200	167	100	200	164	200	100	200	100	185	
1872	188		95	130	208	171	233	167	100	200	183	200	100	200	100	185	
1873	176		129	180	192	171	217	133	94	200	165	200	100	200	100	185	
1874	176		115	160	175	171	200	133	94	250	162	200	100	200	100	185	
1875	141		110	134	167	143	167	125	100	250	150	200	100	200	100	185	
1876	141		101	150	150	143	200	135	88	175	142	160	100	160	100	154	
1877	141		137	180	125	143	233	100	100	350	171	160	100	160	100	154	
1878	118		97	150	108	171	200	100	75	250	144	160	100	160	100	131	
1879	118		131	130	125	214	167	100	94	200	145	120	100	120	100	123	
1880	118		103	134	125	214	233	100	100	250	157	120	100	120	100	123	

TABLE 4--(CONTINUED.)

Commodity	Rent—Houses of 4 Rooms									
	Pa. State	Phila- delphia	West Va.	Ky.	Ohio	Ohio	Cin- cinnati	Ohio	Ohio	Ohio
Reference	106	106	106	104	106	106	106	106	106	106
Unit	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Base price	6.00	4.00	4.00	12.00	6.25	6.00	6.00	5.00	7.00	6.00
	—	100	100	100	100	100	100	100	100	100
1860	100	100	100	125	64	67	100	100	100	100
1861	100	100	100	125	80	67	100	114	100	114
1862	100	125	100	135	80	67	100	114	100	143
1863	100	125	100	167	96	83	100	114	100	143
1864	133	138	100	208	96	100	100	114	100	143
1865	167	138	100	208	96	100	100	129	108	143
1866	200	138	100	208	96	100	100	129	117	143
1867	200	125	100	167	96	83	120	143	138	143
1868	200	100	100	167	96	83	120	143	142	129
1869	233	100	100	167	96	67	120	143	150	129
1870	233	100	100	167	96	67	120	143	167	129
1871	233	100	100	100	128	167	200	143	183	129
1872	233	125	100	100	112	167	200	143	200	129
1873	233	125	100	100	96	167	200	129	200	121
1874	200	100	100	100	96	167	200	129	192	—
1875	200	100	100	83	96	167	240	114	183	114
1876	183	125	83	83	112	167	240	114	183	100
1877	200	100	100	83	112	167	240	114	175	100
1878	200	125	83	83	112	167	240	114	167	100
1879	200	125	83	83	120	167	240	114	158	100
1880	217	150	83	83	128	167	240	114	150	100





TABLE 4—(CONTINUED.)  
*Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.*

Commodity State	Rent—Houses of 6 or 7 Rooms				Average	Conn. Jewett City	Pa. Phila- delphia	Md. Balti- more	Rice		Ohio Spring- field	Ohio Zanes- ville
	Ind.	La Fayette	Lawrence- burg	Ill. Bloom- ington	Ill. Rock Island	Iowa Cedar Rapids	Mo. St. Louis		West Va. New Cumberland	Ohio Canton		
Town	La Fayette	La Fayette	Lawrence- burg	Ill. Bloom- ington	Ill. Rock Island	Iowa Cedar Rapids	Mo. St. Louis	Conn. Jewett City	Pa. Phila- delphia	Md. Balti- more	Ohio Spring- field	Ohio Zanes- ville
Reference	104	104	104	104	104	104	107	46	85	59	80	82
Unit	mo.	mo.	mo.	mo.	mo.	mo.	mo.	lb.	lb.	lb.	lb.	lb.
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
price	8.00	10.00	10.00	10.00	12.00	6.00	15.00	.06	.08	.06	.08	.06 1/4
1860	100	100	100	—	100	—	100	100	—	100	100	100
1861	100	110	100	100	50	100	80	117	100	100	100	100
1862	100	125	100	100	50	100	80	102	113	150	125	160
1863	100	125	100	120	50	100	111	167	125	167	125	192
1864	100	125	100	120	50	117	111	167	162	250	125	240
1865	113	125	125	120	58	117	111	250	175	250	125	288
1866	125	125	125	120	58	117	133	250	175	250	125	320
1867	138	125	125	130	58	125	133	250	175	233	125	320
1868	144	125	125	130	58	125	133	250	163	200	125	240
1869	150	125	125	140	58	125	167	250	163	200	125	240
1870	163	125	125	150	58	133	167	200	150	183	125	240
1871	175	120	120	155	125	133	167	183	150	183	113	192
1872	188	120	120	155	125	133	167	200	150	167	113	192
1873	188	115	150	180	100	133	167	200	138	167	113	160
1874	181	—	150	150	100	133	167	200	138	167	113	160
1875	175	110	140	100	100	167	167	167	125	150	113	160
1876	175	100	130	83	83	167	153	167	125	133	113	160
1877	169	100	120	83	83	200	153	167	100	133	113	160
1878	175	100	120	83	83	200	167	167	100	133	113	160
1879	156	100	110	83	83	250	167	167	88	133	113	160
1880	150	100	120	75	75	250	167	167	100	133	113	160

TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity		Rice		Satinets—Medium Quality										Ill.	
State	Ind.	Iowa	Average	Conn.	Pa.	West Va.	West Va.	Ohio	Ohio	Ind.	Ind.	Ind.	Ind.	Ill.	
Town	Lawrence- burg	Cedar Rapids		Jewett City	New Castle	New Cumberland	Wheel- ing	Canton	Cinclin- nati	Zanes- ville	Jefferson- ville	Lawrence- burg	New Albany	Bloom- ington	
Reference	56	58		4	20	22	22	16	17	19	9	10	10	6	
Unit	lb.	lb.		yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	
Base	\$	\$		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
price	.10	.05		.75	1.00	.11	.75	.75	.75	.40	.75	.70	.62½	.75	
1860	100	—	100	100	100	100	100	100	100	100	100	100	100	100	
1861	100	100	113	100	100	227	133	100	100	100	133	107	100	87	
1862	150	200	159	133	125	364	167	133	107	150	133	179	120	100	
1863	200	240	187	166	138	455	167	167	113	250	133	179	172	133	
1864	200	240	220	177	150	545	200	200	120	213	133	214	172	133	
1865	120	250	217	177	140	545	200	167	133	163	133	143	144	167	
1866	120	250	211	173	150	273	167	133	133	150	133	143	144	133	
1867	150	250	191	123	140	164	167	133	113	150	133	129	144	113	
1868	150	300	196	120	125	164	133	133	107	150	133	114	112	100	
1869	150	300	188	120	125	136	133	120	100	150	133	107	112	100	
1870	150	250	177	100	125	136	133	120	93	150	133	107	100	100	
1871	150	250	169	100	110	136	133	100	100	163	100	107	80	100	
1872	150	250	165	80	100	136	133	100	100	150	100	107	80	100	
1873	150	250	161	83	100	136	133	93	87	150	100	107	80	100	
1874	120	250	157	89	100	136	133	93	87	150	100	100	80	100	
1875	120	200	141	80	90	145	133	100	80	150	100	93	68	100	
1876	120	200	141	80	90	145	107	100	80	150	100	86	68	100	
1877	100	200	139	80	85	145	100	100	80	125	100	86	68	100	
1878	100	200	138	67	85	145	100	100	73	125	100	86	68	100	
1879	100	160	130	77	80	136	100	100	73	125	100	86	68	100	
1880	100	160	133	80	75	136	100	107	73	125	100	86	68	100	

TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity			Satinets				Syrup				Soap—common			
State	Average	Pa.	Md.	West Va.	Ohio	Ohio	Ind.	Iowa	Average	Conn.	Pa.	West Va.	Ohio	Ohio
Town		Phila- delphia	Balti- more	New Cumber- land	Spring- field	Zanes- ville	Lawrence- burg	Cedar Rapids		Jewett City	Phila- delphia	New Cumber- land	Canton	Spring- field
Reference		41	29	43	39	39	28	28		28	41	43	36	39
Unit		gal.	gal.	gal.	gal.	gal.	gal.	gal.		lb.	lb.	lb.	lb.	lb.
Base		\$	\$	\$	\$	\$	\$	\$		\$	\$	\$	\$	\$
price		.50	.60	.40	.60	.75	.80	.50		.10	.06	.06	.08	.05
1860	100	—	100	100	100	100	100	—	100	100	—	100	100	100
1861	117	100	100	125	125	80	94	100	103	90	100	117	75	120
1862	156	110	100	188	133	80	100	120	119	100	117	133	75	160
1863	188	110	117	250	167	120	125	120	144	135	138	138	125	160
1864	205	120	233	313	208	167	125	140	187	165	150	133	150	160
1865	192	160	233	250	250	167	125	140	189	170	167	117	125	160
1866	157	180	167	250	250	200	150	200	200	180	167	117	113	160
1867	138	200	167	250	250	267	150	200	212	140	158	117	125	140
1868	126	200	183	250	208	233	94	180	193	120	158	117	100	140
1869	121	200	183	250	208	233	94	160	190	120	138	117	100	140
1870	118	160	167	225	208	233	100	140	176	120	133	117	100	120
1871	112	170	133	113	133	233	125	200	158	125	133	83	125	120
1872	108	170	133	113	133	200	125	200	153	125	138	83	125	120
1873	106	160	125	125	133	167	125	200	148	100	117	83	100	120
1874	106	160	125	125	133	167	113	200	146	100	117	83	100	120
1875	104	150	125	113	133	147	113	180	137	100	100	83	100	120
1876	101	128	125	113	133	133	113	160	129	90	83	83	100	120
1877	97	120	125	125	142	133	100	160	129	90	83	83	100	120
1878	95	120	100	125	150	133	100	120	121	80	83	83	100	120
1879	95	116	100	113	167	133	94	120	120	70	83	83	100	120
1880	95	120	100	113	133	133	94	120	116	70	83	83	100	120

TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Soap—common				Starch				Sugar			
State	Ohio	Ind.	Iowa	Average	Conn.	Pa.	West Va.	Ohio	Ohio	Ind.	Iowa	Average
Town	Zanes-ville	Lawrence-burg	Cedar Rapids		Jewett City	Phila-delphia	New Cumberland	Spring-field	Zanes-ville	Lawrence-burg	Cedar Rapids	
Reference	39	28	28		23	41	43	39	39	28	28	
Unit	lb.	lb.	lb.		lb.	lb.	lb.	lb.	lb.	lb.	lb.	
Base	\$	\$	\$		\$	\$	\$	\$	\$	\$	\$	
price	.05	.12	.04		.12	.07	.07	.05	.08	.10	.05	
1860	100	100	—	100	100	—	100	100	100	100	—	100
1861	100	67	100	96	100	100	114	100	125	80	100	102
1862	120	83	100	111	100	114	143	100	125	100	100	113
1863	200	125	100	139	100	143	150	160	125	120	140	135
1864	200	125	150	154	133	171	143	200	188	100	200	161
1865	200	125	250	164	133	200	114	200	188	100	360	178
1866	200	125	375	180	133	200	114	200	188	100	360	174
1867	200	125	313	165	133	200	114	200	188	80	400	177
1868	200	125	375	167	133	186	114	200	188	100	400	178
1869	200	125	375	164	133	171	114	160	188	100	400	171
1870	200	125	250	146	133	171	114	160	188	100	300	158
1871	200	125	250	145	133	171	86	125	150	100	250	139
1872	200	125	250	145	133	171	86	100	150	100	250	139
1873	160	125	250	132	133	143	86	100	125	100	250	133
1874	160	125	200	126	133	143	86	100	125	100	200	127
1875	160	125	200	124	133	129	86	100	125	100	200	125
1876	140	100	200	115	100	114	86	125	125	100	200	119
1877	140	100	200	115	100	114	86	100	100	80	200	113
1878	140	83	175	108	100	107	86	100	100	80	160	104
1879	120	83	175	104	100	100	86	100	100	80	160	103
1880	100	83	175	102	83	86	86	100	100	80	160	99
												124

.069%

TABLE 4—(CONTINUED.)  
*Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.*

Commodity			Satinets				Syrup				Soap—common			
State	Average	Pa.	Md.	West Va.	Ohio	Ohio	Ind.	Iowa	Average	Conn.	Pa.	West Va.	Ohio	Ohio
Town		Phila- delphia	Balti- more	New Cumberland	Spring- field	Zanes- ville	Lawrence- burg	Cedar Rapids		Jewett City	Phila- delphia	New Cumberland	Canton	Spring- field
Reference		41	29	43	39	39	28	28		23	41	43	36	39
Unit		gal.	gal.	gal.	gal.	gal.	gal.	gal.		lb.	lb.	lb.	lb.	lb.
Base		\$	\$	\$	\$	\$	\$	\$		\$	\$	\$	\$	\$
price		.50	.60	.40	.60	.75	.80	.50		.10	.06	.06	.08	.05
1860	100	—	100	100	100	100	100	—	100	100	—	100	100	100
1861	117	100	100	125	125	80	94	100	103	90	100	117	75	120
1862	156	110	100	188	133	80	100	120	119	100	117	133	75	160
1863	188	110	117	250	167	120	125	120	144	135	133	133	125	160
1864	205	120	233	313	208	167	125	140	187	165	150	133	150	160
1865	192	160	233	250	250	167	125	140	189	170	167	117	125	160
1866	157	180	167	250	250	200	150	200	200	180	167	117	113	160
1867	138	200	167	250	250	267	150	200	212	140	158	117	125	140
1868	126	200	183	250	208	233	94	180	193	120	158	117	100	140
1869	121	200	183	250	208	233	94	160	190	120	133	117	100	140
1870	118	160	167	225	208	233	100	140	176	120	133	117	100	120
1871	112	170	133	113	133	233	125	200	158	125	133	83	125	120
1872	108	170	133	113	133	200	125	200	153	125	133	83	125	120
1873	106	160	125	125	133	167	125	200	148	100	117	83	100	120
1874	106	160	125	125	133	167	113	200	146	100	117	83	100	120
1875	104	150	125	113	133	147	113	180	137	100	100	83	100	120
1876	101	128	125	113	133	133	113	160	129	90	83	83	100	120
1877	97	120	125	125	142	133	100	160	129	90	83	83	100	120
1878	95	120	100	125	150	133	100	120	121	80	83	83	100	120
1879	95	116	100	113	167	133	94	120	120	70	83	83	100	120
1880	95	120	100	113	133	133	94	120	116	70	83	83	100	120

TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Yellow B.				Sugar				Yellow C.				Average	Tea
	Ohio	Ind.	Iowa	Conn.	Pa.	West Va.	Ohio	Ohio	Spring- field	Ohio	Ind.	Iowa		
Town	Zanes- ville	Lawrence- burg	Cedar Rapids	Jewett City	Phila- delphia	New Cumberland	Canton	Spring- field	Spring- field	Spring- field	Lawrence- burg	Cedar Rapids	Average	Conn. Jewett City
Reference	39	28	28	23	41	43	36	39	39	39	28	28		23
Unit	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.		lb.
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$		\$
price	.11	.11	.08	.10	.07	.07	.10	.10	.10	.10	.12	.07		.67
1860	100	—	—	100	—	100	100	100	100	100	100	—	100	100
1861	109	100	100	90	100	171	80	100	100	100	100	100	105	100
1862	164	100	125	133	114	200	125	100	100	100	100	129	129	149
1863	200	100	125	149	130	143	200	150	150	200	100	129	150	149
1864	200	109	150	182	171	200	250	150	150	200	117	157	182	199
1865	227	109	150	184	214	200	200	200	200	250	117	157	194	224
1866	227	109	156	175	229	171	160	250	200	200	117	200	187	224
1867	164	109	175	155	214	171	125	250	250	170	108	186	172	224
1868	164	109	150	150	200	143	125	250	250	170	117	157	164	187
1869	164	109	150	150	200	143	125	250	250	170	117	157	164	199
1870	164	118	150	148	200	143	125	250	250	170	117	157	161	199
1871	164	109	150	149	200	143	—	100	100	170	117	157	143	187
1872	155	109	150	144	115	186	143	100	180	170	117	157	141	149
1873	155	109	150	138	110	186	143	110	100	160	108	157	134	149
1874	145	100	150	132	95	157	143	110	100	160	108	157	129	149
1875	145	100	138	127	95	143	143	100	100	150	108	143	123	112
1876	136	100	138	126	100	143	143	90	100	150	100	143	121	112
1877	109	100	138	121	110	129	143	90	100	120	100	143	117	112
1878	109	91	138	115	90	129	143	90	100	120	100	143	114	112
1879	109	91	138	114	80	129	143	90	100	120	100	143	113	100
1880	109	82	138	113	114	143	90	100	100	120	92	143	112	100



TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Yellow B.			Sugar					Yellow C.			Average	Iowa Cedar Rapids	Ind. Lawrenceburg	Ohio Zanesville	Pa. Philadelphia	West Va. New Cumberland	Ohio Canton	Springfield	Conn. Jewett City	Iowa Cedar Rapids	Average	Conn. Jewett City	Tea	
	State	Ohio	Ind.																						
Town	Zanesville	Lawrenceburg	Ind.	Conn.	Phila. City	Pa.	West Va.	Ohio	Ohio	Springfield	Conn.	Iowa Cedar Rapids	Average	Ind. Lawrenceburg	Ohio Zanesville	Pa. Philadelphia	West Va.	Ohio Canton	Springfield	Conn.	Iowa Cedar Rapids	Average	Conn.	Tea	
Reference	39	28	28	23	41	43	36	39	39	39	28	28	28	28	39	39	39	39	39	39	28	28	28	23	23
Unit	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
price	.11	.11	.08	.10	.07	.07	.10	.10	.10	.10	.12	.07	.07	.12	.10	.10	.10	.10	.10	.10	.07	.07	.67	.67	.67
1860	100	—	—	100	—	—	100	100	100	100	100	—	100	100	100	100	100	100	100	100	—	100	100	100	100
1861	109	100	106	90	100	171	80	100	100	100	100	100	106	100	100	100	100	100	100	100	100	105	100	100	100
1862	164	100	125	110	114	200	125	100	100	100	100	129	183	100	150	100	100	100	100	100	129	129	149	149	149
1863	200	100	125	149	130	143	200	150	150	150	149	139	149	100	200	100	100	100	100	100	139	150	149	149	149
1864	200	109	150	182	210	171	200	250	150	150	182	210	182	117	200	100	100	100	100	100	157	182	199	199	199
1865	227	109	150	184	210	214	200	200	200	200	184	210	184	117	250	200	200	200	200	200	157	194	224	224	224
1866	227	109	156	175	229	171	160	250	250	250	175	170	175	117	200	200	171	160	250	250	200	187	224	224	224
1867	164	109	175	155	214	171	125	250	250	250	155	150	155	108	170	170	125	250	250	170	186	172	224	224	224
1868	164	109	150	150	200	200	143	125	250	250	150	150	150	117	157	170	170	125	250	170	157	164	187	187	187
1869	164	109	150	150	200	200	143	125	250	250	150	150	150	117	157	170	170	125	250	170	157	164	199	199	199
1870	164	118	150	148	125	200	143	125	250	250	148	125	148	117	157	170	170	125	250	170	157	161	199	199	199
1871	164	109	150	149	115	200	143	—	100	100	149	150	149	117	157	170	170	125	250	170	157	143	187	187	187
1872	155	109	150	144	115	186	143	—	100	100	144	150	144	117	157	170	170	125	250	170	157	141	149	149	149
1873	155	109	150	138	110	186	143	110	100	100	138	150	138	108	160	160	143	110	100	160	157	134	149	149	149
1874	145	100	150	132	95	157	143	110	100	100	132	150	132	108	160	160	143	110	100	160	157	129	149	149	149
1875	145	100	138	127	95	143	143	100	100	100	127	138	127	108	150	150	143	100	100	150	123	123	112	112	112
1876	136	100	138	126	100	143	143	90	100	100	126	138	126	100	143	143	143	90	100	150	143	121	112	112	112
1877	109	100	138	121	110	129	143	90	100	100	121	138	121	100	143	143	143	90	100	120	143	117	112	112	112
1878	109	91	138	115	90	129	143	90	100	100	115	138	115	100	143	143	143	90	100	120	143	114	112	112	112
1879	109	91	138	114	80	129	148	90	100	100	114	138	114	100	143	143	143	90	100	120	143	113	100	100	100
1880	109	82	138	113	90	114	143	90	100	100	113	138	113	92	143	143	143	90	100	120	143	112	100	100	100



TABLE 4—(CONTINUED.)  
*Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.*

Commodity State.	Town	Tea—Oolong or other good black				Average				Veal Cutlets			
		Md.	West Va.	Ohio	Ohio	Spring- field	Zanes- ville	Ind.	Iowa	Conn.	N. J.	Pa.	West Va.
	Phila- delphia	Balti- more	New Cumberland	Ohio	Ohio	Spring- field	Zanes- ville	Lawrence- burg	Cedar Rapids	New London	Camden	New Castle	Phila- delphia
Reference	41	29	43	36	39	39	39	28	28	48	65	83	85
Unit.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.
Base	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
price	.50	.60	.50	1.00	.60	.925	1.00	1.00	.30	.16	.14	.15	.15
1860	—	100	100	100	—	100	100	100	—	100	100	—	—
1861	100	125	120	100	100	100	97	90	100	104	113	100	100
1862	100	167	160	125	100	100	97	100	233	113	100	100	100
1863	110	167	160	150	125	122	125	125	467	175	100	100	107
1864	130	200	160	200	250	135	160	160	533	219	179	120	120
1865	250	250	180	200	333	149	160	160	667	268	179	133	167
1866	250	208	160	180	293	176	125	125	667	254	179	120	160
1867	250	200	160	180	333	176	180	180	500	245	179	120	160
1868	240	200	120	175	292	189	175	175	417	222	200	120	160
1869	220	200	120	175	250	189	175	175	333	207	179	100	167
1870	200	183	120	175	233	189	175	175	333	201	179	100	167
1871	180	167	100	175	108	154	175	175	333	175	179	100	147
1872	180	135	100	175	108	141	160	160	333	163	179	100	147
1873	160	100	100	150	108	135	150	150	267	147	179	100	147
1874	150	100	100	150	108	97	140	140	200	133	164	100	153
1875	150	100	100	125	108	97	125	125	200	124	164	100	130
1876	130	83	100	125	108	97	120	120	200	119	164	100	133
1877	110	83	100	100	108	97	100	100	133	105	164	100	130
1878	100	83	100	100	108	97	100	100	167	107	143	100	120
1879	100	67	100	100	108	97	80	80	167	102	143	100	120
1880	100	67	100	100	108	97	80	80	167	102	143	100	120

TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Cullets			Veal				Hind-quarters		
	State	Ohio	Ind.	Average	Mass.	Conn.	Pa.	Fore-quarters.	Pa.	West Va.
Town		Zanesville	Evansville		Boston	New London	New Castle	Phila. delphia	New Castle	Ohio
Reference		82	54		59	48	83	85	89	82
Unit.	lb.	lb.	lb.		lb.	lb.	lb.	lb.	lb.	lb.
Base	\$	\$	\$		\$	\$	\$	\$	\$	\$
price	.10	.20	.20		.092	.10	.07	.06	.04	.05
1860	100	100	—	100	100	100	—	—	100	100
1861	80	100	100	102	98	130	100	100	150	100
1862	80	100	100	102	63	130	100	100	150	100
1863	90	100	100	104	77	140	100	117	150	120
1864	100	125	125	125	126	140	114	150	150	140
1865	100	125	125	136	153	150	143	200	150	140
1866	120	125	125	136	151	150	143	200	150	140
1867	130	125	125	141	146	160	143	200	150	140
1868	130	125	144	144	147	160	100	167	150	140
1869	130	125	140	140	144	160	100	150	150	160
1870	120	125	132	132	128	140	100	150	150	160
1871	120	100	123	123	130	120	86	133	100	160
1872	120	100	123	123	130	120	86	138	100	160
1873	120	100	123	123	130	120	86	133	100	140
1874	120	100	121	121	131	120	86	150	100	140
1875	110	100	115	115	129	120	71	133	100	140
1876	110	100	117	117	128	120	71	150	100	140
1877	100	100	114	114	124	120	71	133	100	120
1878	100	100	111	111	111	120	71	133	100	120
1879	100	100	111	111	109	120	71	133	100	120
1880	100	100	111	111	109	120	71	133	100	120

TABLE 4—(CONTINUED.)  
Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity		Veal—Hind-quarters				Wood—Hard							
State	Pa.	West Va.	Ohio	Ind.	Average	Mass.	Mass.	Conn.	Conn.	Pa.	West Va.	Ohio	Ohio
Phila- delphia	Zanes- ville	New Cumber- land	Evans- ville			Boston	Boston	Daniel- sonville	Jewett City	Reading	New Cumber- land	Canton	Spring- field
Reference	85	89	82	54		98	98	98	98	100	100	98	100
Unit lb.	lb.	lb.	lb.	lb.		cord	cord	cord	cord	cord	cord	cord	cord
Base price	\$	\$	\$	\$		\$	\$	\$	\$	\$	\$	\$	\$
	.10	.05	.06	.08		6.50	6.50	4.00	3.50	4.00	1.75	2.50	3.00
1860	—	100	100	—	100	100	100	100	100	—	100	100	100
1861	100	160	100	100	110	—	123	100	100	100	100	80	92
1862	100	160	100	100	110	150	183	100	100	100	114	100	92
1863	100	160	117	156	123	169	164	100	114	125	143	120	100
1864	120	160	133	188	138	200	192	119	114	125	143	120	100
1865	150	160	133	188	144	200	195	138	157	150	143	180	167
1866	150	160	133	188	144	231	228	125	143	150	143	180	167
1867	150	160	133	188	146	200	205	125	143	125	143	160	167
1868	150	160	133	188	146	208	210	125	143	125	143	160	133
1869	150	160	150	188	147	208	208	125	157	138	129	160	133
1870	150	160	133	188	140	200	200	—	157	113	129	160	133
1871	140	120	167	188	138	215	215	113	143	113	143	200	167
1872	140	120	167	188	136	200	205	150	150	113	129	200	167
1873	140	120	133	188	131	208	215	150	157	113	129	200	167
1874	150	120	133	188	133	200	215	150	157	113	129	180	150
1875	130	120	133	188	129	200	215	113	164	125	129	160	142
1876	140	120	117	188	128	185	215	113	164	125	129	160	142
1877	130	120	117	156	121	162	162	113	136	113	129	160	125
1878	130	120	117	156	121	—	138	113	129	113	129	160	125
1879	130	120	100	156	118	154	154	113	129	100	129	160	117
1880	130	120	100	156	118	154	154	113	129	100	129	160	117





TABLE 5.

*Relative rates of wages from Table XII of the "Aldrich Report."*

NOTE.—The following table gives in detail the 527 series of relative wages used in compiling the tables presented in Chapter IV, Section i. The arrangement is based upon that of the original series of actual wages in the "Exhibits" of the *Aldrich Report*, Parts ii-iv. The several industries are in alphabetical order; the establishments in each industry are in numerical order; and the several occupations in each establishment are in alphabetical order. To facilitate access to the source, I have retained the numbers assigned to each establishment in the *Aldrich Report*, and also given a page reference for each series. The "base wages" shown are the actual wages upon which the "relative wages" for each date have been computed. Except when otherwise stated in a foot-note, they are actual wages per day in January, 1860. The columns headed "No." show the number of persons reported for each date as following the specified occupation in the specified establishment and receiving the corresponding relative wages.

TABLE 5.

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Agricultural Implements					Ale, Beer and Porter	
No. of estab.		1					2	
State		Massachusetts					New York	
Reference	295	296	299	305	309	313	316	
Occupation	Foremen	Laborers	Machinists	Painters	Woodworkers	Brewers	Coopers	
Sex	Male	Male	Male	Male	Male	Male	Male	
Base wages	\$1.64	\$1.00	\$1.665	\$1.25	\$1.335	\$6.39	\$1.505	
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860 Jan.	1 100	2 100	2 100	1 100	3 100	1 100	8 100	
July	1 100	2 100	2 100	1 100	2 103	1 100	8 101	
1861 Jan.	1 100	2 100	2 108	1 100	2 103	1 100	8 101	
July	1 99	2 100	2 108	1 100	1 94	1 100	10 100	
1862 Jan.	1 99	2 88	2 100	1 100	1 113	1 150	7 101	
July	1 98	1 100	1 84	—	1 113	1 150	6 101	
1863 Jan.	1 108	3 90	1 113	—	2 113	1 150	7 101	
July	1 112	5 112	2 101	—	2 119	1 150	8 101	
1864 Jan.	1 122	2 117	2 108	3 89	4 124	1 150	6 125	
July	1 152	3 142	3 123	2 106	3 161	2 150	7 131	
1865 Jan.	1 152	3 150	3 125	2 113	4 169	1 150	5 127	
July	1 175	7 161	3 138	2 127	4 189	1 150	4 148	
1866 Jan.	1 175	6 163	6 131	3 124	5 191	1 250	5 146	
July	1 183	5 169	5 134	1 120	5 179	1 250	5 143	
1867 Jan.	1 170	5 169	4 129	3 132	7 178	1 250	6 152	
July	1 183	3 170	4 129	1 130	4 181	1 250	5 156	
1868 Jan.	1 183	6 152	5 137	1 120	6 170	1 250	6 163	
July	1 183	8 148	5 122	1 120	6 170	1 250	6 163	
1869 Jan.	1 183	5 155	5 129	1 120	6 170	1 250	6 169	
July	1 183	6 160	7 135	2 120	7 176	1 250	8 168	
1870 Jan.	1 183	6 156	7 136	3 120	10 168	1 250	6 177	
July	1 183	6 154	7 134	2 120	9 172	1 250	4 166	
1871 Jan.	1 183	10 142	6 134	2 130	9 172	1 250	4 166	
July	1 183	11 147	7 132	3 133	10 167	1 250	6 183	
1872 Jan.	1 183	13 147	7 134	2 137	10 169	1 250	4 174	
July	1 183	19 147	6 137	2 137	9 170	1 250	7 185	
1873 Jan.	1 183	12 145	8 133	3 133	10 168	1 250	10 194	
July	1 183	12 152	8 133	4 151	9 175	1 250	9 189	
1874 Jan.	1 183	9 150	7 129	4 151	10 172	1 250	8 199	
July	1 183	7 140	7 131	4 156	8 173	1 250	6 199	
1875 Jan.	1 183	7 143	8 131	4 156	7 179	1 250	8 181	
July	1 183	7 147	10 123	4 156	6 178	1 250	8 199	
1876 Jan.	1 165	6 135	9 114	5 142	6 151	1 150	5 199	
July	1 165	6 132	7 111	3 140	7 146	1 125	5 199	
1877 Jan.	1 165	6 121	6 109	2 122	7 131	1 150	5 199	
July	1 165	8 121	6 109	1 116	8 134	1 150	5 199	
1878 Jan.	1 165	7 127	6 109	1 116	8 137	1 250	5 199	
July	1 165	7 124	7 104	2 118	8 137	1 250	14 183	
1879 Jan.	1 165	7 120	7 104	1 120	6 132	1 250	15 183	
July	1 165	7 111	7 100	2 90	7 126	1 250	12 183	
1880 Jan.	1 165	13 123	9 114	3 97	7 126	1 250	9 183	
July	1 165	10 118	8 115	4 105	9 126	1 250	9 183	

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	Ale, Beer and Porter—(Con.)				Books and Newspapers			
No of estab.	2		4		5			
State	New York		Md.		New York			
Reference	319	323	326	353	354	355	357	
Occupation	Foremen	Laborers	Teamsters	Printers, Book & Job	Carpenters	Compositors	(Learners) Compositors	
Sex	Male	Male	Male	Male	Male	Male	Male	
Base wages	\$1.34	\$0.85	\$1.44	\$1.665 <sup>1</sup>	\$1.315	\$1.665	\$ .695	
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	1 100	26 100	4 100	— —	2 100	17 100	10 100	
July	1 100	28 99	3 107	— —	2 100	11 100	7 81	
1861 Jan.	1 120	32 99	3 107	8 100	1 95	20 99	8 76	
July	1 120	30 100	3 107	8 100	— —	17 99	6 72	
1862 Jan.	1 120	26 99	3 107	6 100	2 95	16 99	5 81	
July	1 120	33 101	3 107	6 100	2 95	18 99	7 88	
1863 Jan.	1 120	26 102	2 107	6 100	1 102	21 99	5 94	
July	2 115	27 114	2 107	8 100	1 102	— —	— —	
1864 Jan.	3 124	29 134	2 107	6 120	1 102	— —	— —	
July	3 129	28 147	2 107	9 150	1 127	23 150	4 99	
1865 Jan.	3 136	23 151	2 107	12 180	1 127	27 150	4 108	
July	4 130	18 149	2 107	12 180	1 127	25 150	4 105	
1866 Jan.	4 132	30 154	2 107	12 180	1 140	23 150	5 120	
July	4 132	21 152	2 107	12 180	— —	26 150	3 182	
1867 Jan.	4 132	24 154	2 107	15 180	2 140	44 150	5 137	
July	4 132	17 154	1 120	15 180	1 190	35 178	6 114	
1868 Jan.	4 132	22 155	1 120	15 180	1 190	36 180	5 139	
July	4 132	17 156	1 120	15 180	1 190	49 180	8 135	
1869 Jan.	4 148	21 155	1 120	15 180	1 190	34 180	6 116	
July	5 145	15 164	1 120	15 180	2 181	24 180	6 124	
1870 Jan.	5 145	26 160	2 110	15 180	2 181	31 180	6 121	
July	5 145	17 165	4 115	15 180	2 181	11 180	4 135	
1871 Jan.	5 144	20 164	3 115	12 180	2 181	24 180	4 138	
July	5 148	22 165	3 120	12 180	2 181	38 180	6 146	
1872 Jan.	4 141	26 164	4 116	12 180	2 181	22 180	7 140	
July	4 141	29 164	4 116	12 180	2 181	31 180	6 170	
1873 Jan.	4 141	32 163	6 113	14 180	2 181	13 180	4 141	
July	4 141	25 169	7 116	15 180	2 181	11 180	3 147	
1874 Jan.	4 158	31 168	7 116	14 180	2 181	17 180	4 123	
July	4 158	29 170	8 116	14 180	2 181	17 180	4 108	
1875 Jan.	4 158	36 168	8 116	12 180	1 209	11 180	4 117	
July	4 158	31 169	8 116	12 180	1 209	14 180	5 120	
1876 Jan.	3 165	36 166	8 116	14 180	2 167	11 180	5 122	
July	3 165	29 169	9 114	14 180	1 171	20 180	6 78	
1877 Jan.	3 165	34 169	11 113	12 180	1 171	12 180	5 81	
July	3 165	29 171	11 113	15 162	1 171	10 169	5 78	
1878 Jan.	3 165	30 169	11 113	12 162	1 171	20 154	5 88	
July	1 143	25 171	11 113	12 162	1 171	28 154	8 99	
1879 Jan.	1 143	36 169	10 114	12 162	1 171	38 152	9 101	
July	1 143	30 169	10 112	12 162	1 171	31 152	10 99	
1880 Jan.	2 165	36 168	11 115	12 162	1 152	27 152	11 104	
July	2 172	35 170	9 114	12 162	2 152	25 153	9 101	

<sup>1</sup> Jan. 1861.



TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Books and Newspapers—(Con.)							
No. of estab.		5							
State		New York							
Reference		360	364	365	366	368	369	371	
Occupation		Foremen		Foremen	Machinists		Porters	Press	
		Folders	(Compositors)	Pressmen				Pressmen	Room Hands
Sex		Female	Male	Male	Male	Male	Male	Male	Female
Base wages		\$ .47	\$2.00	\$2.00	\$1.705	\$0.915	\$1.665	\$0.465	
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860	Jan.	16 100	2 100	1 100	2 100	2 100	1 100	6 100	
	July	7 99	2 100	1 100	3 95	3 109	—	5 104	
1861	Jan.	16 91	2 100	1 100	3 95	3 115	2 100	8 97	
	July	15 94	2 100	1 100	4 95	3 103	2 100	10 98	
1862	Jan.	11 100	2 100	1 100	3 94	3 103	2 100	7 84	
	July	12 105	2 100	1 100	1 88	3 109	2 100	9 95	
1863	Jan.	11 104	2 100	1 100	2 92	3 119	2 100	9 103	
	July	—	—	—	—	—	—	—	—
1864	Jan.	—	—	—	—	—	—	—	—
	July	26 119	2 138	1 133	3 137	5 138	2 150	14 137	
1865	Jan.	41 110	2 150	1 133	2 161	5 144	1 150	14 133	
	July	30 117	2 150	1 142	3 156	4 146	3 133	13 140	
1866	Jan.	30 119	2 150	1 150	2 153	5 144	3 130	12 140	
	July	22 134	2 150	1 150	—	3 140	3 130	13 145	
1867	Jan.	32 126	2 150	1 150	—	3 143	3 130	13 147	
	July	45 127	2 163	1 150	—	2 142	3 153	13 148	
1868	Jan.	41 128	2 171	1 150	—	3 149	3 153	11 173	
	July	44 135	2 171	1 150	—	3 146	3 153	10 172	
1869	Jan.	39 138	2 171	1 150	2 165	3 146	3 153	9 180	
	July	45 136	2 171	1 150	3 157	3 146	4 153	11 170	
1870	Jan.	33 139	2 171	1 150	4 151	5 150	3 180	12 157	
	July	33 135	2 171	1 150	3 157	4 150	3 180	8 170	
1871	Jan.	9 149	2 171	1 150	3 159	3 152	2 180	8 186	
	July	15 152	2 171	1 150	3 159	3 176	5 174	9 184	
1872	Jan.	15 148	2 171	1 150	3 159	3 164	4 173	11 185	
	July	19 143	2 171	1 150	3 169	3 182	4 180	11 183	
1873	Jan.	11 149	2 171	1 150	3 169	3 188	2 180	12 183	
	July	11 149	2 171	1 150	3 169	3 188	3 180	11 168	
1874	Jan.	16 146	2 171	1 150	2 161	—	4 180	7 185	
	July	17 153	2 171	1 150	1 176	3 188	3 180	11 167	
1875	Jan.	14 155	2 171	1 150	1 161	1 201	3 180	6 179	
	July	14 153	2 171	1 150	1 161	1 182	3 180	10 171	
1876	Jan.	13 155	2 171	1 150	—	1 182	3 180	8 168	
	July	11 154	2 171	1 150	1 117	2 159	4 180	12 158	
1877	Jan.	9 155	2 171	1 150	2 117	2 144	3 180	10 163	
	July	17 146	2 163	1 150	1 106	3 137	3 180	9 158	
1878	Jan.	20 139	1 158	1 150	1 106	3 137	3 180	13 148	
	July	19 140	1 158	1 150	1 106	3 137	3 180	16 144	
1879	Jan.	24 128	1 158	1 150	1 98	3 135	2 180	12 147	
	July	31 132	1 158	1 150	1 98	3 129	2 180	12 152	
1880	Jan.	28 139	1 158	1 150	2 108	3 125	3 170	15 136	
	July	24 147	1 158	1 150	2 108	3 125	2 180	18 137	

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Books and Newspapers—(Con.)						Bldg. Trades	
No. of estab.	5	6						7	
State	New York	New York						Conn.	
Reference	371	377	379	384	387	389	394		
Occupation	Press	Compositors Foremen				Press			
	Room Hands	Compositors	Apprentices	Compositors	Feeders	Pressmen	Carpenters		
Sex	Male	Male	Male	Male	Female	Male	Male		
Base wages	\$0.61	\$1.835	\$0.755	\$2.50	\$ .33 <sup>1</sup>	\$2.335	\$1.50		
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.		
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages		
1860 Jan.	3 100	2 100	9 100	2 100	— —	1 100	4 100		
July	1 41	2 104	9 101	2 100	— —	1 93	6 117		
1861 Jan.	3 105	3 108	8 88	2 100	— —	1 93	3 89		
July	4 104	4 104	7 83	2 100	1 100	1 93	4 100		
1862 Jan.	5 113	6 106	7 93	2 100	1 152	1 93	3 89		
July	3 95	6 104	8 91	2 100	1 152	1 93	3 100		
1863 Jan.	2 126	6 107	6 89	2 100	1 152	1 93	2 100		
July	— —	6 111	6 89	2 100	1 152	1 93	3 117		
1864 Jan.	— —	9 114	2 121	2 110	2 152	1 93	3 117		
July	4 119	8 117	3 99	2 117	2 164	1 93	— —		
1865 Jan.	5 139	11 138	4 98	3 129	2 174	— —	3 150		
July	4 133	8 136	3 121	3 129	3 189	— —	4 183		
1866 Jan.	5 134	10 134	4 97	3 129	4 202	— —	4 171		
July	5 115	10 134	3 103	3 129	4 202	— —	4 188		
1867 Jan.	5 127	8 136	6 102	3 129	5 194	— —	5 187		
July	5 149	4 150	6 101	3 131	6 191	— —	5 217		
1868 Jan.	4 177	4 163	6 92	3 131	7 197	— —	4 217		
July	6 118	6 163	5 106	3 131	6 211	1 128	5 203		
1869 Jan.	8 173	16 163	4 113	3 133	8 215	1 128	4 217		
July	2 164	25 163	7 115	3 133	3 252	1 143	6 203		
1870 Jan.	5 183	23 163	12 105	3 133	4 258	2 100	4 208		
July	5 207	23 163	10 97	3 133	4 258	2 100	4 217		
1871 Jan.	4 208	35 163	5 95	3 138	5 248	4 93	4 200		
July	6 157	40 163	6 102	3 138	5 251	4 107	— —		
1872 Jan.	6 175	45 163	8 107	3 138	4 289	5 106	— —		
July	7 152	44 163	10 111	3 138	4 289	3 119	— —		
1873 Jan.	8 153	44 163	11 93	4 142	4 296	3 119	— —		
July	7 166	23 163	10 101	4 142	3 268	3 119	5 217		
1874 Jan.	6 171	26 133	8 102	4 142	3 227	3 102	3 183		
July	5 164	20 163	6 101	4 142	2 252	2 114	7 183		
1875 Jan.	6 123	25 163	7 107	4 142	3 252	3 119	3 183		
July	6 125	14 163	5 97	4 140	3 252	3 119	4 183		
1876 Jan.	5 112	21 163	5 106	5 137	3 252	3 121	2 183		
July	6 107	21 163	5 117	5 137	3 252	3 121	3 183		
1877 Jan.	5 139	50 146	7 117	5 136	3 252	4 125	3 117		
July	3 182	43 146	9 109	5 137	3 252	4 128	3 128		
1878 Jan.	8 139	39 137	8 108	5 127	3 252	4 123	3 150		
July	7 117	22 137	8 108	5 125	3 252	3 121	2 150		
1879 Jan.	7 134	20 136	8 119	5 124	3 261	2 100	2 117		
July	8 131	7 136	10 121	4 128	3 261	2 100	3 117		
1880 Jan.	6 102	19 136	11 113	4 130	3 252	2 100	6 136		
July	10 123	17 129	10 113	3 124	3 252	2 100	3 150		

<sup>1</sup> July 1861.

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Building Trades—(Con.)							
No. of estab.		8		9		10		12	
State		Conn.		Conn.		Md.		Mass.	
Reference		395	397	399	401	404	408	410	
Occupation		Carpenters				Bricklayers			
		Carpenters	(Helpers)	Hod Carriers	Masons	Painters	Bricklayers	(Helpers)	
Sex		Male	Male	Male	Male	Male	Male	Male	
Base wages		\$1.715	\$1.00	\$ .80	\$1.765	\$1.75	\$1.765	\$1.12	
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860	Jan.	9 100	1 100	8 100	6 100	2 100	9 100	5 100	
	July	10 99	—	17 137	11 116	4 100	12 86	6 91	
1861	Jan.	9 91	1 138	12 125	12 105	2 86	12 107	12 100	
	July	6 87	2 132	40 125	1 113	1 86	28 101	35 100	
1862	Jan.	1 87	—	15 125	9 113	1 86	10 106	13 101	
	July	7 89	1 134	9 125	9 113	6 86	11 105	14 110	
1863	Jan.	—	—	10 188	7 158	1 86	4 110	9 109	
	July	20 112	2 125	7 202	4 131	8 100	17 105	14 108	
1864	Jan.	19 111	6 125	—	—	2 114	15 120	11 122	
	July	23 131	9 157	17 199	21 140	9 143	19 131	13 134	
1865	Jan.	10 127	6 146	—	—	5 143	9 139	9 134	
	July	—	—	5 208	7 160	9 143	20 146	18 134	
1866	Jan.	—	—	—	—	5 143	15 147	11 156	
	July	—	—	13 208	10 170	11 143	13 167	11 156	
1867	Jan.	—	—	16 206	9 175	5 143	14 156	10 156	
	July	—	—	19 216	13 194	12 171	25 180	23 134	
1868	Jan.	—	—	12 173	12 184	6 171	13 201	13 179	
	July	—	—	45 238	26 226	12 171	29 213	31 179	
1869	Jan.	—	—	23 225	17 187	4 171	12 185	15 158	
	July	26 173	16 147	37 247	23 227	8 171	20 197	10 179	
1870	Jan.	30 173	12 136	12 200	6 212	3 171	8 209	14 175	
	July	48 159	9 100	53 245	34 225	7 171	15 218	20 190	
1871	Jan.	11 170	4 100	15 221	12 196	3 171	14 185	11 179	
	July	26 161	3 100	36 250	31 218	6 171	21 204	23 180	
1872	Jan.	10 165	—	23 204	14 188	3 143	15 212	16 179	
	July	11 159	—	36 248	27 223	4 143	33 177	22 167	
1873	Jan.	—	—	10 210	6 196	4 143	22 218	19 156	
	July	21 174	2 113	39 248	36 225	6 143	17 182	23 173	
1874	Jan.	28 168	2 125	40 203	23 187	6 143	16 200	23 168	
	July	18 169	3 100	17 250	16 223	6 143	18 193	26 173	
1875	Jan.	20 150	1 125	30 175	18 156	6 143	14 200	17 173	
	July	25 155	3 107	27 223	16 193	5 143	15 187	25 176	
1876	Jan.	26 149	1 125	17 171	12 144	2 143	20 203	23 175	
	July	7 137	1 125	30 197	19 163	9 114	16 194	24 172	
1877	Jan.	2 131	1 125	6 229	2 181	3 114	13 163	16 165	
	July	3 131	1 167	21 161	14 146	5 114	34 153	18 161	
1878	Jan.	1 131	—	16 203	7 136	4 114	16 156	10 161	
	July	1 131	—	12 167	16 142	3 114	27 158	18 161	
1879	Jan.	1 131	—	3 187	10 143	4 114	10 156	8 159	
	July	—	1 133	29 159	34 128	5 114	23 152	14 159	
1880	Jan.	—	1 133	6 159	7 161	5 100	13 161	10 156	
	July	—	2 184	18 197	15 153	6 114	21 159	16 156	

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Building Trades—(Con.)							
No of estab.		12				13			
State		Mass.				Mass.			
Reference		411	412	413	416	418	421	422	
Occupation		Foremen Bricklayers	Foremen Masons	Masons	Mason's Helpers	Carpenters	Carpenters Helpers	Foremen Carpenters	
Sex		Male	Male	Male	Male	Male	Male	Male	
Base wages		\$2.50	\$2.50	\$1.875	\$1.055	\$1.425	\$ .83	\$1.67	
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860	Jan.	1 100	1 100	5 100	9 100	7 100	1 100	1 100	
	July	1 100	1 100	11 85	15 100	17 98	4 100	1 100	
1861	Jan.	1 100	1 100	11 101	9 85	14 93	3 100	1 100	
	July	1 100	1 120	13 96	15 92	21 83	3 100	1 100	
1862	Jan.	1 100	1 100	10 84	20 97	18 90	—	1 120	
	July	1 100	1 100	13 105	17 110	18 95	3 90	1 105	
1863	Jan.	1 100	1 100	4 98	6 118	20 99	3 120	1 120	
	July	2 110	1 100	9 102	16 114	23 106	5 120	1 120	
1864	Jan.	1 120	1 100	7 114	11 130	15 110	4 120	1 135	
	July	—	2 120	19 102	8 142	20 119	6 120	1 135	
1865	Jan.	—	1 120	7 116	9 142	17 126	3 151	1 135	
	July	—	1 160	8 137	8 142	19 147	3 151	1 150	
1866	Jan.	1 160	1 160	13 143	13 166	30 152	5 181	1 165	
	July	1 160	1 160	15 167	21 166	24 167	6 211	1 195	
1867	Jan.	1 170	1 160	10 173	10 166	26 171	4 211	1 195	
	July	1 180	1 160	11 165	18 154	26 176	5 181	1 195	
1868	Jan.	1 160	1 160	12 147	7 154	19 161	6 170	1 195	
	July	1 180	1 170	10 196	9 190	14 191	4 166	2 195	
1869	Jan.	1 180	1 180	7 160	11 142	12 165	5 172	1 195	
	July	1 180	1 200	27 182	41 185	15 175	5 181	1 195	
1870	Jan.	1 200	1 200	14 196	16 185	11 175	5 163	1 195	
	July	1 200	1 200	12 190	13 206	22 170	5 181	1 210	
1871	Jan.	1 200	1 200	9 181	8 166	24 173	4 181	1 210	
	July	1 200	1 200	10 193	14 195	26 166	3 181	1 210	
1872	Jan.	1 200	1 200	22 183	24 171	17 175	—	1 210	
	July	1 200	1 200	11 209	16 190	21 183	4 181	1 210	
1873	Jan.	1 200	1 200	12 167	14 171	19 173	4 181	1 210	
	July	1 200	1 200	5 176	8 178	29 174	4 181	2 210	
1874	Jan.	1 200	1 200	8 173	5 171	20 172	4 181	2 210	
	July	1 200	1 200	16 175	13 166	25 178	4 160	2 210	
1875	Jan.	1 200	1 200	15 157	10 158	20 160	3 181	1 210	
	July	1 200	1 200	37 160	22 160	23 159	—	1 210	
1876	Jan.	1 200	1 180	10 140	10 161	11 137	2 181	1 195	
	July	1 200	1 180	27 139	22 160	12 139	3 151	1 195	
1877	Jan.	1 190	1 180	15 144	9 162	19 127	12 131	1 195	
	July	1 190	1 180	41 139	27 162	33 123	18 131	1 195	
1878	Jan.	1 180	1 160	17 126	14 163	13 117	2 143	1 180	
	July	1 160	1 160	36 131	26 162	24 121	6 143	1 180	
1879	Jan.	1 140	1 160	22 134	14 163	9 112	6 131	1 180	
	July	1 140	1 160	39 136	27 162	18 118	10 139	1 180	
1880	Jan.	1 140	1 160	21 128	14 166	16 118	21 138	1 180	
	July	1 140	1 160	31 129	28 166	36 122	19 146	2 195	

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	Building Trades—(Con.)							
	13		14		15		16	
No. of estab.	Mass.		Mass.		Mass.		N. J.	
State	Mass.		Mass.		Mass.		N. J.	
Reference	423	424	426	429	431	433	435	
Occupation	Foremen	Painters	Steam and Gas Fitters		Painters, House	Laborers	Plumbers	
Sex	Male	Male	Male	Male	Male	Male	Male	
Base wages	\$1.50	\$1.165	\$1.875	\$1.195 <sup>1</sup>	\$1.10	\$1.18	\$2.00	
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860 Jan.	1 100	6 100	4 100	— —	5 100	3 100	1 100	
July	1 100	6 102	5 90	— —	10 101	3 100	1 100	
1861 Jan.	1 100	6 101	4 105	1 84	5 103	2 85	1 100	
July	1 100	4 99	— —	— —	17 101	2 85	1 100	
1862 Jan.	1 100	4 107	4 93	2 110	3 114	3 92	2 81	
July	— —	4 103	— —	— —	6 102	2 85	2 84	
1863 Jan.	— —	6 119	3 111	1 105	5 116	2 95	2 94	
July	1 111	6 107	2 110	1 42	1 102	2 97	2 100	
1864 Jan.	1 111	7 110	3 115	1 112	2 136	3 97	2 113	
July	1 117	20 130	6 106	3 77	7 175	3 117	2 125	
1865 Jan.	1 133	3 150	4 123	3 63	5 164	4 123	2 125	
July	1 150	5 172	4 120	4 73	9 195	3 153	3 150	
1866 Jan.	1 167	15 152	6 113	2 84	4 227	5 151	3 150	
July	1 183	4 182	5 120	3 73	10 198	2 155	4 139	
1867 Jan.	1 183	6 200	7 114	2 63	4 216	3 146	3 139	
July	1 200	6 200	5 137	1 84	13 219	3 153	4 145	
1868 Jan.	1 200	4 193	5 120	2 73	7 205	3 153	4 149	
July	1 183	5 180	6 109	1 84	14 216	3 153	3 160	
1869 Jan.	— —	— —	6 120	3 63	8 210	2 155	3 163	
July	1 200	7 190	4 103	1 63	10 227	2 155	3 163	
1870 Jan.	1 183	4 172	7 110	1 84	6 205	3 132	3 163	
July	1 183	8 156	6 113	2 84	9 225	3 132	3 163	
1871 Jan.	1 200	7 212	9 107	3 97	5 200	4 136	3 163	
July	1 200	6 200	13 119	— —	17 214	4 139	3 163	
1872 Jan.	1 200	4 172	10 116	4 73	4 188	4 141	4 159	
July	1 200	12 196	8 122	— —	11 219	3 165	4 159	
1873 Jan.	1 200	6 186	11 110	2 91	6 190	4 161	4 153	
July	1 200	2 215	11 114	2 101	12 208	4 166	3 163	
1874 Jan.	2 200	6 204	9 115	4 89	3 220	2 169	3 168	
July	1 200	4 193	7 122	3 77	8 202	3 156	3 164	
1875 Jan.	1 200	6 179	10 121	3 95	4 205	3 156	3 164	
July	1 200	4 185	9 115	2 97	11 215	3 156	3 164	
1876 Jan.	1 167	5 167	7 115	2 73	2 227	4 148	3 164	
July	1 167	4 172	4 113	4 103	12 225	2 169	2 158	
1877 Jan.	1 167	5 157	8 110	2 97	6 197	2 169	2 146	
July	1 167	10 157	6 109	2 63	15 233	2 169	2 146	
1878 Jan.	1 150	5 165	5 107	1 84	10 193	2 141	2 146	
July	1 150	11 166	4 113	1 63	14 221	2 141	2 131	
1879 Jan.	1 150	3 129	7 103	1 84	15 212	3 132	2 131	
July	1 150	5 137	8 103	3 77	16 221	2 141	2 131	
1880 Jan.	1 150	5 129	6 132	7 75	3 197	2 141	2 122	
July	1 167	10 159	8 115	3 70	15 208	1 113	2 122	

<sup>1</sup> July, 1859.

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	Building Trades—(Con.)						
No. of estab.	16		17		18		
State	N. J.		New York		New York		
Reference	438	441	445	446	449	456	458
Occupation	Carpenters' Carpenters'						
Sex	Tinsmiths	Carpenters	Apprentices	Helpers	Laborers	Teamsters	Painters
Base wages	Male	Male	Male	Male	Male	Male	Male
	\$1.52	\$1.185	\$3.75	\$1.00	\$3.88	\$3.75 <sup>1</sup>	\$2.00
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	8 100	2 100	4 100	1 100	1 100	— —	15 100
July	8 104	5 110	5 123	3 79	1 100	— —	60 100
1861 Jan.	6 108	5 112	4 147	3 79	3 99	— —	8 100
July	5 110	5 122	1 88	4 92	3 109	1 100	40 100
1862 Jan.	3 113	3 127	1 112	5 100	1 142	1 100	8 100
July	3 113	6 127	1 100	8 111	2 142	1 100	45 100
1863 Jan.	3 115	5 133	3 96	5 113	— —	1 133	10 100
July	2 107	10 152	4 133	2 125	2 114	1 167	40 113
1864 Jan.	4 132	9 152	4 139	2 125	1 114	1 167	7 113
July	4 122	14 169	2 183	— —	— —	1 233	45 150
1865 Jan.	3 128	12 183	— —	1 150	— —	1 233	12 150
July	3 148	12 174	— —	1 150	— —	1 233	45 175
1866 Jan.	5 148	10 186	1 267	— —	1 142	1 233	10 175
July	5 155	10 196	— —	1 150	2 156	1 233	45 175
1867 Jan.	5 152	8 192	— —	2 138	2 156	1 200	15 175
July	6 164	10 203	— —	1 150	— —	1 200	60 200
1868 Jan.	6 162	12 198	— —	3 150	1 142	2 200	10 200
July	5 178	14 200	— —	3 150	1 170	2 200	60 175
1869 Jan.	5 178	14 203	— —	1 150	— —	2 200	10 175
July	4 181	15 210	— —	1 150	— —	2 200	70 225
1870 Jan.	5 172	14 209	— —	2 150	— —	1 200	15 225
July	3 175	10 205	— —	2 150	— —	1 200	70 175
1871 Jan.	3 184	10 213	— —	1 150	— —	1 200	15 175
July	3 189	15 210	1 177	1 150	2 128	1 200	70 175
1872 Jan.	3 192	52 200	3 208	4 150	5 159	4 200	8 175
July	3 181	48 203	3 185	2 150	5 165	4 205	55 175
1873 Jan.	3 192	28 203	2 221	1 150	3 152	3 178	9 175
July	4 185	39 193	8 177	2 138	5 155	3 219	50 175
1874 Jan.	4 189	29 204	7 228	3 156	7 157	2 267	12 175
July	3 192	38 191	8 220	8 152	6 156	2 267	55 175
1875 Jan.	3 192	22 191	3 236	5 144	2 185	2 250	14 175
July	3 181	36 189	3 215	7 140	4 132	3 218	50 175
1876 Jan.	3 181	58 178	5 227	8 143	7 161	5 201	10 175
July	4 181	63 176	3 199	7 140	6 166	4 197	55 175
1877 Jan.	4 156	10 184	4 244	— —	1 142	2 150	10 175
July	3 164	35 153	2 267	3 138	6 128	4 156	125 125
1878 Jan.	3 164	25 155	1 267	3 125	4 128	4 158	30 125
July	2 156	32 151	— —	5 130	8 121	3 167	85 125
1879 Jan.	2 156	30 144	— —	11 141	7 125	4 158	25 125
July	2 156	44 144	1 156	12 144	8 127	4 167	80 150
1880 Jan.	2 156	48 149	1 165	38 148	6 123	5 167	15 150
July	3 148	64 152	1 133	4 138	11 141	3 167	85 150

<sup>1</sup> Jan., 1859.

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	Building Trades—(Con.)						
	No. of estab.	19	20	21	22	23	
State	New York	New York	New York	New York	New York	New York	
Reference	459	461	462	463	463	464	465
Occupation	Roofers, Slate & Metal			Bricklayers' Helpers		Plasterers	Painters
Sex	Male	Male	Male	Male	Male	Male	Male
Base wages	\$2.00	\$1.875	\$1.25	\$2.00	\$1.25	\$2.00	\$1.915 <sup>1</sup>
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	30 100	4 100	2 100	8 100	12 100	8 100	— —
July	65 100	4 100	6 125	8 100	10 100	8 100	3 100
1861 Jan.	30 100	4 100	3 120	7 100	10 100	7 100	— —
July	70 100	4 100	4 120	7 100	10 100	7 100	5 93
1862 Jan.	15 100	5 101	2 160	5 113	8 100	5 100	— —
July	40 100	5 107	3 160	5 113	8 100	5 113	2 91
1863 Jan.	12 100	10 107	3 240	4 125	6 130	4 125	— —
July	60 100	12 133	6 240	5 125	6 130	5 125	3 113
1864 Jan.	20 113	4 160	5 280	9 125	10 180	9 125	— —
July	65 150	4 187	8 280	9 150	10 180	9 150	4 150
1865 Jan.	25 150	4 187	2 320	5 150	3 180	5 150	— —
July	50 163	4 187	5 320	5 150	4 180	5 150	2 185
1866 Jan.	40 175	6 195	2 280	5 175	10 180	5 175	— —
July	80 175	6 195	6 280	5 200	10 200	5 200	4 183
1867 Jan.	45 175	5 205	2 280	5 200	10 200	5 200	— —
July	70 188	5 205	7 280	7 250	14 220	7 250	6 204
1868 Jan.	50 175	5 205	3 280	8 225	15 200	8 225	— —
July	85 200	5 205	9 280	7 225	13 200	7 225	6 200
1869 Jan.	50 200	5 205	3 280	20 250	40 220	20 250	— —
July	90 200	5 205	9 280	18 250	36 220	18 250	3 209
1870 Jan.	55 188	4 203	3 280	17 250	35 220	17 250	— —
July	90 175	4 203	9 280	15 250	32 220	15 250	8 163
1871 Jan.	60 175	4 203	3 280	13 200	25 180	13 200	— —
July	95 175	4 203	9 280	10 200	20 180	10 200	4 183
1872 Jan.	60 175	4 203	2 280	10 200	20 200	10 200	— —
July	90 175	4 203	10 280	10 200	20 200	10 200	4 183
1873 Jan.	60 175	5 203	2 240	8 200	15 200	8 200	— —
July	95 175	5 203	10 240	7 200	13 200	7 200	4 183
1874 Jan.	45 150	5 203	2 240	7 175	12 200	7 175	— —
July	75 188	4 200	8 240	8 175	14 200	8 175	3 183
1875 Jan.	40 175	4 200	2 240	5 150	10 160	5 150	— —
July	85 160	4 200	11 240	5 150	10 160	5 150	6 178
1876 Jan.	35 150	3 187	2 240	5 125	10 140	5 125	— —
July	85 140	3 187	11 240	5 125	10 140	5 125	5 115
1877 Jan.	80 125	2 160	3 200	4 125	8 120	4 125	— —
July	125 125	2 160	10 200	4 125	8 120	4 125	4 124
1878 Jan.	40 125	3 160	3 200	4 125	8 120	4 125	— —
July	85 125	3 160	10 200	6 125	12 120	6 125	4 117
1879 Jan.	45 125	3 160	4 200	4 125	6 120	4 125	— —
July	80 125	3 160	10 200	5 125	7 120	5 125	4 117
1880 Jan.	45 125	3 147	4 200	3 125	5 120	3 125	— —
July	85 150	3 160	10 200	2 150	10 140	2 150	6 144

<sup>1</sup> July, 1860.

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	Building Trades—(Con.)						Car. & Wag'n
	No. of estab.	24	26	27	28	29	33
State	New York	Penn.	Penn.	Penn.	Penn.	Penn.	New York
Reference	466	470	470	471	474	476	509
Occupation	Bricklayers'						
	Roofers	Bricklayers	Helpers	Carpenters	Carpenters	Plasterers	Blacksmiths
Sex	Male	Male	Male	Male	Male	Male	Male
Base wages	\$1.835	\$2.00	\$1.12	\$1.75	\$1.75	\$1.665	\$1.50
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	2 100	6 100	8 100	3 100	6 100	9 100	3 100
July	2 91	20 100	10 100	8 100	10 100	13 102	3 100
1861 Jan.	3 82	— —	— —	4 100	5 100	9 98	3 100
July	2 82	20 100	10 112	10 100	12 114	16 99	3 100
1862 Jan.	4 78	6 113	3 112	4 114	7 114	10 99	3 200
July	4 82	20 113	10 112	10 114	16 143	12 100	3 200
1863 Jan.	5 84	— —	— —	4 114	5 143	8 116	3 200
July	4 105	— —	— —	10 114	10 171	12 115	3 200
1864 Jan.	4 113	10 125	10 134	10 129	6 171	10 114	3 200
July	5 131	35 125	18 134	14 129	8 171	14 116	3 200
1865 Jan.	4 150	10 150	5 179	20 136	7 171	10 114	3 200
July	4 150	30 150	15 179	21 133	12 143	14 137	3 200
1866 Jan.	4 163	12 150	12 179	15 151	8 143	8 139	5 200
July	4 163	40 150	20 179	19 151	20 143	10 156	5 200
1867 Jan.	4 157	12 175	12 201	16 152	6 143	8 158	5 200
July	2 191	40 175	20 201	21 152	25 143	10 222	5 200
1868 Jan.	1 163	12 175	12 201	12 152	12 143	9 220	5 200
July	1 163	40 175	20 201	22 153	18 143	12 220	5 200
1869 Jan.	5 178	15 188	7 201	15 152	10 143	11 218	5 200
July	4 178	50 175	25 179	26 153	22 143	12 220	5 200
1870 Jan.	7 184	15 175	7 179	14 151	12 143	11 218	5 200
July	5 170	50 175	25 179	24 152	20 143	14 171	5 200
1871 Jan.	4 161	18 175	18 179	17 153	8 143	11 169	5 200
July	6 166	55 200	27 201	25 154	24 157	16 173	5 200
1872 Jan.	5 167	18 238	18 223	18 154	7 157	9 174	5 200
July	5 172	55 200	27 223	22 153	32 157	14 171	5 200
1873 Jan.	11 177	10 188	5 223	14 153	11 157	11 169	5 200
July	5 178	40 188	20 223	25 152	35 157	12 175	5 200
1874 Jan.	9 187	10 175	5 201	10 151	8 157	11 169	5 200
July	3 188	40 175	20 201	16 150	25 157	14 171	5 200
1875 Jan.	6 171	10 163	5 179	13 135	12 157	10 174	5 200
July	4 168	45 163	22 179	34 135	30 157	16 173	5 200
1876 Jan.	2 172	15 150	7 156	28 131	10 157	10 141	5 200
July	4 168	60 150	15 156	28 133	20 157	16 139	5 200
1877 Jan.	2 159	15 138	7 156	24 119	9 157	10 117	5 200
July	2 172	60 138	15 156	16 121	24 157	16 116	5 200
1878 Jan.	3 160	15 125	7 134	24 119	8 157	10 117	7 200
July	2 172	55 113	28 134	14 123	25 157	16 116	7 200
1879 Jan.	2 172	15 113	7 134	8 136	15 157	10 102	7 200
July	2 136	60 113	30 134	45 127	38 157	14 101	7 200
1880 Jan.	3 132	12 100	6 134	17 133	10 157	8 101	9 200
July	3 132	50 100	25 134	16 131	40 157	16 109	9 200



TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	Carriages and Wagons—(Con.)				City Public Works			
No. of estab.	33				34			
State	New York				Mass.	New York		
Reference	510	510	511	512	515	518	518	
Occupation	Blacksmiths' Helpers	Painters	Wheelwrights	Foremen Laborers	Laborers	Blacksmiths	Blacksmiths' Helpers	
Sex	Male	Male	Male	Male	Male	Male	Male	
Base wages	\$3.85	\$1.25	\$1.25	\$1.25	\$1.02	\$1.82	\$1.25	
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860 Jan.	3 100	2 100	6 100	1 100	7 100	16 100	15 100	
July	3 100	2 100	6 100	2 140	24 99	23 99	12 100	
1861 Jan.	3 100	2 100	6 100	1 140	18 99	17 99	19 92	
July	3 100	2 100	6 100	2 170	16 99	25 96	8 84	
1862 Jan.	3 180	2 140	6 160	2 100	21 99	9 97	4 92	
July	3 180	2 140	6 160	2 160	27 100	7 99	5 91	
1863 Jan.	3 180	3 140	6 160	2 160	7 107	4 106	4 100	
July	3 180	3 140	6 160	2 170	12 146	7 110	5 108	
1864 Jan.	3 180	3 140	6 160	3 147	29 119	8 137	5 128	
July	3 180	2 140	6 160	4 220	14 181	7 151	7 152	
1865 Jan.	3 180	2 140	6 160	6 193	75 120	7 176	5 160	
July	3 180	2 140	6 160	3 167	19 153	5 179	5 160	
1866 Jan.	5 180	4 140	6 160	5 180	12 147	2 179	1 160	
July	5 180	4 140	6 160	4 180	32 157	2 192	1 160	
1867 Jan.	5 180	4 140	6 160	2 160	30 151	2 192	1 160	
July	5 180	4 140	6 160	3 180	29 156	2 192	1 160	
1868 Jan.	5 180	4 140	6 160	1 160	11 152	2 192	1 160	
July	5 180	4 140	6 160	4 210	42 162	4 192	1 160	
1869 Jan.	5 180	4 140	10 200	1 160	13 162	6 192	4 160	
July	5 180	4 140	10 200	13 197	76 173	9 192	8 160	
1870 Jan.	5 180	4 140	10 200	2 160	27 175	13 192	10 160	
July	5 180	4 140	10 200	22 196	48 174	16 192	16 160	
1871 Jan.	5 180	4 140	10 200	3 187	24 176	16 192	12 160	
July	5 180	4 140	10 200	8 180	48 172	25 192	24 160	
1872 Jan.	5 180	4 140	10 200	1 160	12 176	15 192	13 160	
July	5 180	4 140	10 200	9 227	77 197	11 192	9 160	
1873 Jan.	5 180	4 140	10 200	1 160	18 174	8 192	6 160	
July	5 180	4 140	10 200	7 188	85 177	7 192	5 160	
1874 Jan.	5 180	4 140	10 200	1 200	16 178	9 192	6 160	
July	5 180	4 140	10 200	6 233	113 173	5 192	3 160	
1875 Jan.	5 180	4 140	10 200	2 170	17 179	3 192	2 160	
July	5 180	4 140	10 200	9 191	96 150	3 192	2 160	
1876 Jan.	5 180	4 140	10 200	1 160	52 148	5 192	2 160	
July	5 180	4 140	10 200	4 210	56 151	3 165	3 160	
1877 Jan.	5 180	4 140	10 200	1 160	69 100	5 165	3 144	
July	5 180	4 140	10 200	5 176	51 101	5 165	3 144	
1878 Jan.	7 180	6 140	10 200	3 140	18 104	5 165	3 144	
July	7 180	6 140	10 200	5 148	41 100	5 151	3 144	
1879 Jan.	7 180	6 140	14 200	5 124	71 98	5 151	4 144	
July	7 180	6 140	14 200	12 152	173 99	6 137	5 144	
1880 Jan.	9 210	8 200	14 200	5 140	33 101	4 137	3 144	
July	9 210	8 200	14 200	17 210	171 123	4 137	3 144	

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		City Public Works—(Con.)											
No. of estab.		35											
State		New York											
Reference		519	519	520	520	521	522	522					
Occupation		Foremen											
Sex		Blasters	Bricklayers	Carpenters	Laborers	Gardeners	Laborers	Masons					
Base wages		Male	Male	Male	Male	Male	Male	Male					
		\$1.25	\$2.00	\$1.72	\$2.00	\$1.40	\$1.00	\$2.00					
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.					
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages					
1860	Jan.	6 100	25 100	36 100	42 100	20 100	1225 100	150 100					
	July	10 100	45 100	18 100	30 100	40 93	1500 100	165 100					
1861	Jan.	15 100	25 100	28 101	25 100	14 93	1200 100	58 100					
	July	— —	35 90	38 97	28 100	30 82	1100 90	55 90					
1862	Jan.	— —	7 88	14 100	20 100	10 79	800 100	8 88					
	July	— —	8 88	13 99	22 100	15 79	900 100	8 88					
1863	Jan.	2 128	7 100	19 114	19 100	15 93	800 125	7 100					
	July	— —	12 110	8 116	20 110	16 100	800 125	12 110					
1864	Jan.	— —	5 125	8 145	17 125	16 114	700 150	6 125					
	July	1 152	8 150	10 158	16 150	30 136	650 180	8 150					
1865	Jan.	1 160	5 160	9 174	12 150	20 143	500 190	5 160					
	July	1 160	3 150	10 187	11 150	22 143	450 190	3 150					
1866	Jan.	1 160	2 175	8 189	12 150	12 143	420 190	3 175					
	July	— —	1 175	11 203	8 150	12 143	500 190	2 175					
1867	Jan.	— —	1 200	9 204	6 175	12 150	300 200	1 200					
	July	— —	10 250	20 233	6 175	12 150	250 200	4 200					
1868	Jan.	— —	— —	16 204	4 175	12 150	200 200	5 200					
	July	— —	10 225	24 233	4 200	12 168	200 200	10 225					
1869	Jan.	9 200	7 225	22 233	14 200	12 168	600 200	8 225					
	July	10 200	— —	25 233	14 200	12 168	600 200	10 213					
1870	Jan.	10 224	15 213	25 233	15 200	12 186	620 220	15 213					
	July	9 195	35 212	40 233	15 210	12 171	620 220	35 212					
1871	Jan.	9 195	20 212	200 233	15 225	12 171	620 220	20 212					
	July	8 195	76 212	200 233	20 225	40 171	800 200	80 212					
1872	Jan.	6 195	8 212	16 233	15 225	22 171	600 200	10 212					
	July	9 195	20 212	25 233	20 225	20 171	900 200	25 212					
1873	Jan.	8 195	4 212	40 233	15 225	7 179	650 200	6 212					
	July	9 195	35 212	20 233	20 225	31 179	800 200	45 212					
1874	Jan.	7 195	20 212	15 233	14 225	9 179	600 200	40 212					
	July	6 195	25 212	15 233	12 225	18 179	450 200	25 212					
1875	Jan.	3 195	5 212	15 233	12 225	6 179	450 200	5 212					
	July	2 195	2 212	9 233	10 225	11 179	300 200	2 212					
1876	Jan.	2 195	14 212	30 233	12 225	16 179	350 200	16 212					
	July	1 195	12 175	20 174	10 225	14 161	300 200	15 175					
1877	Jan.	1 195	2 150	15 174	10 200	5 161	350 160	2 150					
	July	1 195	2 150	12 160	4 200	7 143	150 160	2 150					
1878	Jan.	1 195	2 150	12 160	4 200	8 143	125 160	2 150					
	July	1 195	2 150	6 145	6 175	6 129	150 160	2 150					
1879	Jan.	1 195	2 150	4 145	5 175	6 129	110 160	2 150					
	July	1 195	4 125	12 145	4 150	9 129	80 160	4 125					
1880	Jan.	1 195	2 125	6 145	4 150	8 129	60 160	2 125					
	July	1 195	1 125	15 145	4 150	6 143	75 160	1 125					

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		City Public Works—(Con.)													
No. of estab.		85					36								
State		New York					Penn.								
Reference		524		524		526		527		530		531		532	
Occupation		Quarrymen		Stonecutters		Carpenters		Engineers		Engineers' Assistants		Firemen		Laborers	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		\$1.10		\$2.00		\$2.00 <sup>1</sup>		\$2.125		\$1.25		\$1.25		\$1.335	
		Rel.		Rel.		Rel.		Rel.		Rel.		Rel.		Rel.	
		No. wages		No. wages		No. wages		No. wages		No. wages		No. wages		No. wages	
1860	Jan.	110	100	240	100	—	—	4	100	1	100	3	100	23	100
	July	840	100	185	100	1	100	4	100	1	100	3	100	30	97
1861	Jan.	280	100	290	100	1	100	6	99	1	88	6	100	30	97
	July	—	—	20	113	2	100	6	99	1	88	7	103	34	96
1862	Jan.	—	—	—	—	2	100	6	99	1	88	7	103	34	96
	July	—	—	16	88	2	100	6	99	1	88	7	103	34	96
1863	Jan.	—	—	15	100	—	—	6	94	5	92	6	102	8	96
	July	—	—	5	113	—	—	6	94	5	92	5	99	8	96
1864	Jan.	70	145	5	125	—	—	6	96	5	92	10	99	36	112
	July	45	173	20	150	—	—	6	96	5	92	10	99	36	112
1865	Jan.	70	182	10	160	—	—	4	119	5	132	8	132	21	131
	July	50	182	1	150	2	138	4	119	6	132	8	132	26	131
1866	Jan.	30	182	11	175	2	138	4	119	7	132	8	132	15	131
	July	—	—	2	175	1	138	4	119	6	132	8	132	13	131
1867	Jan.	—	—	2	200	1	138	5	116	6	132	8	132	10	131
	July	—	—	8	200	1	138	5	116	6	132	8	132	10	131
1868	Jan.	—	—	30	200	2	113	5	119	6	132	8	132	9	133
	July	20	205	35	213	1	113	5	119	5	132	9	132	11	133
1869	Jan.	300	205	35	213	1	113	5	119	6	132	8	132	9	133
	July	300	205	40	225	—	—	5	121	6	132	8	132	10	133
1870	Jan.	300	227	75	213	—	—	5	121	6	132	8	132	14	133
	July	300	204	160	212	—	—	5	121	6	132	8	132	15	134
1871	Jan.	300	204	65	212	—	—	5	121	6	132	10	132	15	132
	July	250	204	283	212	—	—	5	121	6	132	10	132	12	133
1872	Jan.	125	204	70	212	—	—	5	121	6	132	12	132	11	136
	July	300	204	80	212	—	—	5	121	6	164	12	164	8	138
1873	Jan.	200	204	90	212	—	—	5	124	9	164	12	164	8	136
	July	250	204	50	212	3	150	5	124	9	164	12	164	7	136
1874	Jan.	200	204	90	212	1	150	8	126	9	164	16	164	4	140
	July	150	204	25	212	1	150	8	126	11	164	22	164	5	139
1875	Jan.	75	204	6	212	—	—	7	125	11	164	22	164	9	135
	July	20	204	6	212	—	—	7	125	11	164	22	164	8	136
1876	Jan.	30	204	20	212	—	—	7	125	11	164	24	164	7	131
	July	15	204	15	175	—	—	7	125	11	164	24	164	8	131
1877	Jan.	15	182	2	150	—	—	7	125	11	164	22	164	6	131
	July	15	182	2	150	—	—	7	125	11	164	22	164	7	131
1878	Jan.	12	182	1	150	—	—	7	111	11	148	22	148	7	112
	July	—	—	2	150	—	—	7	111	11	148	22	148	6	112
1879	Jan.	5	160	2	150	—	—	7	111	11	148	21	148	4	112
	July	5	160	2	150	—	—	7	111	11	148	20	148	4	112
1880	Jan.	5	160	2	150	—	—	7	111	11	148	20	148	8	115
	July	5	160	1	150	—	—	7	111	11	148	23	148	8	115

<sup>1</sup> July, 1860.

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	City Public Works—(Con.)						Cotton Goods	
	36		37		38			
No. of estab.	Penn.		Penn.		Mass.			
State								
Reference	534	537	538	546	550	552	554	
Occupation	Pattern-makers		Watchmen Laborers		Back Boys		Balers	
Sex	Male		Male		Male		Male	
Base wages	\$1.50	\$1.50 <sup>1</sup>	\$1.50	\$1.25	\$0.265	\$1.00	\$0.835	
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860 Jan.	1 100	— —	2 100	28 100	13 100	1 100	2 100	
July	1 100	— —	2 100	30 100	13 100	1 100	2 100	
1861 Jan.	4 121	1 100	4 89	33 100	12 87	1 83	2 83	
July	4 121	1 100	4 89	37 100	12 87	1 83	2 83	
1862 Jan.	4 121	1 100	4 89	16 100	13 74	1 83	2 83	
July	4 121	1 100	3 94	29 100	13 106	1 83	2 83	
1863 Jan.	1 100	— —	2 73	20 120	14 136	1 108	1 129	
July	1 100	— —	2 73	34 120	14 158	1 108	1 129	
1864 Jan.	4 146	— —	2 73	19 140	14 177	1 133	1 150	
July	1 133	— —	2 73	38 140	14 177	1 133	1 150	
1865 Jan.	6 175	1 150	2 100	24 140	13 172	1 133	2 159	
July	8 183	1 150	2 100	37 140	13 172	1 133	2 162	
1866 Jan.	12 183	1 150	2 100	15 140	13 187	1 167	2 175	
July	12 178	1 150	2 100	23 140	13 187	1 167	2 175	
1867 Jan.	12 182	1 167	2 100	20 140	15 208	1 167	2 167	
July	11 182	1 167	2 100	28 140	15 208	1 167	2 167	
1868 Jan.	11 182	1 167	2 100	15 140	16 204	1 154	2 158	
July	10 180	1 167	2 100	25 140	16 204	1 154	2 158	
1869 Jan.	10 180	1 167	2 100	150 140	17 202	1 163	2 158	
July	11 189	1 183	2 100	173 140	17 202	1 163	2 158	
1870 Jan.	10 185	1 183	2 100	100 140	17 204	1 150	2 160	
July	11 182	1 183	2 100	170 140	17 204	1 150	2 160	
1871 Jan.	11 183	1 183	2 110	— —	18 236	1 167	2 160	
July	13 183	1 183	2 110	— —	18 236	1 167	2 160	
1872 Jan.	13 186	1 200	2 110	— —	18 236	1 167	2 160	
July	13 186	1 200	2 110	— —	18 236	1 167	2 160	
1873 Jan.	12 189	1 200	2 137	60 120	18 236	1 167	2 153	
July	11 186	1 200	3 130	75 120	18 236	1 167	2 153	
1874 Jan.	12 191	1 200	4 137	21 120	18 211	1 146	3 142	
July	13 192	1 200	4 137	34 120	17 211	1 146	3 142	
1875 Jan.	11 192	1 200	6 137	30 120	19 191	1 122	1 150	
July	12 191	2 200	7 136	46 120	19 191	1 122	1 150	
1876 Jan.	18 189	2 200	7 136	30 120	19 175	1 110	2 105	
July	14 190	2 200	8 137	226 120	19 175	1 110	2 105	
1877 Jan.	20 192	2 200	7 136	54 100	20 175	1 110	2 123	
July	20 192	2 200	7 136	106 100	20 175	1 110	2 123	
1878 Jan.	19 159	2 167	7 122	59 100	20 172	1 104	4 99	
July	19 159	2 167	6 122	116 100	20 172	1 104	4 99	
1879 Jan.	24 160	2 167	6 122	40 100	29 142	1 104	2 105	
July	24 160	2 167	6 122	77 100	29 142	1 104	2 105	
1880 Jan.	22 161	2 167	6 122	49 100	27 166	1 121	2 116	
July	24 162	2 167	5 122	61 100	27 166	1 121	2 116	

<sup>1</sup> January, 1861.

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Cotton Goods—(Con.)						
No. of estab.		88						
State		Mass.						
Reference		555	556	559	560	561	563	565
Occupation		Beltmen	Blacksmiths	Bobbin Men	Boilermen	Boilermen's Helpers	Card Grinders	Card Strippers
Sex		Male	Male	Male	Male	Male	Male	Female
Base wages		\$1.50	\$1.79	\$1.415 <sup>1</sup>	\$1.75	\$1.08	\$1.025	\$ .71
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	1 100	4 100	— —	1 100	2 100	7 100	6 100	
July	1 100	4 100	— —	1 100	2 100	7 100	6 100	
1861 Jan.	1 100	4 97	2 100	1 86	2 100	7 90	6 96	
July	1 100	4 97	2 100	1 86	2 100	7 90	6 96	
1862 Jan.	1 111	3 106	2 106	1 95	2 100	3 111	6 118	
July	1 111	3 106	2 106	1 95	2 100	3 111	6 118	
1863 Jan.	1 111	3 106	1 124	2 100	1 116	3 111	6 141	
July	1 111	3 106	1 124	2 100	1 116	3 111	6 141	
1864 Jan.	1 117	3 116	1 159	2 98	1 116	3 120	5 162	
July	1 117	3 116	1 159	2 98	1 116	3 120	5 162	
1865 Jan.	1 122	3 151	1 153	2 107	2 130	3 140	5 190	
July	1 122	3 151	1 153	2 107	2 130	3 140	5 190	
1866 Jan.	1 150	3 158	4 144	1 114	1 139	3 141	5 190	
July	1 150	3 158	4 144	1 114	1 139	3 141	5 190	
1867 Jan.	1 150	3 158	4 147	1 114	1 139	3 155	5 190	
July	1 150	3 158	4 147	1 114	1 139	3 155	5 190	
1868 Jan.	1 150	3 161	4 144	1 129	1 139	4 173	6 182	
July	1 150	3 161	4 144	1 129	1 139	4 173	6 182	
1869 Jan.	1 150	3 161	6 177	1 114	1 146	5 182	7 181	
July	1 150	3 161	6 177	1 114	1 146	5 182	7 181	
1870 Jan.	1 183	3 167	4 168	1 105	1 146	6 178	12 164	
July	1 183	3 167	4 168	1 105	1 146	6 178	12 164	
1871 Jan.	1 200	3 161	4 177	1 105	1 146	6 146	10 191	
July	1 200	3 161	4 177	1 105	1 146	6 146	10 191	
1872 Jan.	1 200	3 174	4 185	1 143	1 146	3 228	12 188	
July	1 200	3 174	4 185	1 143	1 146	3 228	12 188	
1873 Jan.	1 183	5 165	4 177	2 114	2 143	5 171	12 187	
July	1 183	5 165	4 177	2 114	2 143	5 171	12 187	
1874 Jan.	1 178	3 149	4 159	3 91	1 131	6 150	12 171	
July	1 178	3 149	4 159	3 91	1 131	6 150	12 171	
1875 Jan.	1 147	3 130	4 133	1 91	3 105	4 127	12 134	
July	1 147	3 130	4 133	2 77	3 105	4 127	12 134	
1876 Jan.	1 132	3 115	4 114	3 63	2 95	3 120	13 124	
July	1 132	3 115	4 114	3 63	2 95	3 120	13 124	
1877 Jan.	1 132	3 115	4 114	1 72	2 95	4 124	3 103	
July	1 132	3 115	4 114	1 72	2 95	4 124	3 103	
1878 Jan.	1 123	2 131	— —	1 65	2 90	5 111	4 109	
July	1 123	2 131	— —	1 65	2 90	5 111	4 109	
1879 Jan.	1 133	2 131	— —	3 75	2 106	5 120	1 120	
July	1 133	1 131	— —	3 75	2 106	5 120	1 120	
1880 Jan.	1 155	1 154	— —	3 80	2 106	6 136	1 134	
July	1 155	1 154	— —	3 80	2 106	6 136	1 134	

<sup>1</sup> Jan., 1861.

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Cotton Goods—(Con.)						
No. of estab.		38						
State		Mass.						
Reference		567	572	575	577	578	579	581
Occupation		Carpenters	Doffers	Double Tenders	Entry men	Filling Carriers	Lap Carriers	Machinists
Sex		Male	Male	Male	Male	Male	Male	Male
Base wages		\$1.52	\$3.15	\$64	\$92	\$83	\$71	\$1.565
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860	Jan.	5 100	33 100	6 100	1 100	5 100	2 100	7 100
	July	5 100	33 100	6 100	1 100	5 100	2 100	7 100
1861	Jan.	6 102	33 92	4 88	1 82	4 81	2 92	7 97
	July	6 102	33 92	4 88	1 82	4 81	2 92	7 97
1862	Jan.	7 113	33 97	4 110	1 82	4 81	2 126	7 105
	July	7 113	33 97	4 110	1 82	4 81	2 126	7 105
1863	Jan.	6 113	27 124	4 117	1 109	4 111	2 118	7 109
	July	6 113	27 124	4 117	1 109	4 111	2 118	7 109
1864	Jan.	6 132	26 139	3 113	1 136	4 141	2 146	8 128
	July	6 132	26 139	3 113	1 136	4 141	2 146	8 128
1865	Jan.	6 168	26 186	3 198	1 136	4 155	3 144	9 144
	July	6 168	26 186	3 198	1 136	4 155	3 144	9 144
1866	Jan.	6 164	27 183	3 198	1 163	4 155	3 192	8 166
	July	6 164	25 187	3 198	1 163	4 155	3 192	8 166
1867	Jan.	6 170	27 219	3 198	2 163	3 160	2 191	8 176
	July	6 170	28 219	3 198	2 163	3 160	2 191	8 176
1868	Jan.	6 170	31 229	4 186	2 154	3 150	3 184	8 181
	July	6 170	29 229	4 186	2 154	3 150	3 184	8 181
1869	Jan.	6 170	31 222	5 138	2 145	3 150	4 182	8 181
	July	6 170	31 222	5 138	2 145	3 150	4 182	8 181
1870	Jan.	6 170	33 219	5 138	1 136	3 135	5 183	8 174
	July	6 170	33 219	5 138	1 136	3 135	5 183	8 174
1871	Jan.	6 164	32 218	7 123	1 145	3 160	6 191	8 174
	July	6 164	32 218	7 123	1 145	3 160	6 191	8 174
1872	Jan.	6 164	32 295	6 123	1 145	3 160	7 200	8 173
	July	6 164	32 295	6 123	1 145	3 160	7 200	8 173
1873	Jan.	6 175	31 295	7 123	1 141	3 160	5 206	9 177
	July	6 175	31 295	7 123	1 141	3 160	5 206	9 177
1874	Jan.	4 156	19 259	8 123	1 136	3 141	5 170	7 155
	July	4 156	19 259	8 123	1 136	3 141	5 170	7 155
1875	Jan.	6 137	20 198	8 93	1 130	5 122	6 144	7 150
	July	6 137	20 198	8 93	1 109	5 122	6 144	7 150
1876	Jan.	6 119	16 170	6 84	1 109	2 106	6 124	7 114
	July	6 119	16 170	6 84	1 103	2 106	6 124	7 114
1877	Jan.	6 110	15 170	6 88	2 98	2 106	6 127	7 120
	July	6 110	15 170	6 88	2 98	2 106	6 127	7 121
1878	Jan.	6 117	15 168	5 83	2 57	2 100	—	7 108
	July	6 117	15 168	5 83	2 57	2 100	—	7 108
1879	Jan.	6 130	9 167	5 83	2 92	2 100	—	7 108
	July	6 130	9 167	5 83	2 92	2 100	—	7 108
1880	Jan.	7 128	11 203	1 97	1 108	2 117	2 134	8 106
	July	6 128	11 203	1 97	1 108	2 117	2 134	8 106

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	Cotton Goods—(Con.)						
No. of estab.	38						
State	Mass.						
Reference	585	586	587	589	590	591	592
Occupation	Master		Overseers		Overseers	Overseers	Overseers
	Masons	Machinists	Oilers	Carding	Cloth	Dressing	Spinning
Sex	Male	Male	Male	Dep't.	Room	Dep't.	Dep't.
Base wages	\$1.48	\$3.33	\$0.42	\$3.00	\$2.00	\$3.00	\$3.00
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	5 100	1 100	2 100	1 100	1 100	1 100	2 100
July	5 100	1 100	2 100	1 100	1 100	1 100	2 100
1861 Jan.	6 99	1 100	2 107	1 83	1 84	1 83	2 83
July	6 99	1 100	2 107	1 83	1 84	1 83	2 83
1862 Jan.	7 98	1 100	2 107	1 83	1 84	1 83	2 83
July	7 98	1 100	2 107	1 83	1 84	1 83	2 83
1863 Jan.	5 115	1 106	2 107	1 100	1 100	1 100	2 100
July	5 115	1 106	2 107	1 100	1 100	1 100	2 100
1864 Jan.	5 151	1 120	2 112	1 117	1 125	1 117	2 113
July	5 151	1 120	2 112	1 117	1 125	1 117	2 113
1865 Jan.	3 192	1 120	2 131	1 117	1 113	1 117	2 117
July	3 192	1 120	2 131	1 117	1 113	1 117	2 117
1866 Jan.	3 225	1 150	4 242	1 133	1 138	1 133	2 133
July	3 225	1 150	4 242	1 133	1 138	1 133	2 133
1867 Jan.	4 220	1 150	5 225	2 142	1 138	1 133	2 133
July	4 220	1 150	5 225	2 142	1 138	1 133	2 133
1868 Jan.	6 215	1 150	5 256	2 142	1 138	1 133	2 133
July	6 215	1 150	5 256	2 142	1 138	1 133	2 133
1869 Jan.	4 238	1 150	6 263	1 150	1 138	1 100	2 133
July	4 238	1 150	6 263	1 150	1 138	1 100	2 133
1870 Jan.	4 203	1 150	7 261	1 150	1 138	1 100	2 133
July	4 203	1 150	7 261	1 150	1 138	1 100	2 133
1871 Jan.	4 169	1 165	7 301	1 118	1 129	1 100	2 117
July	4 169	1 165	7 301	1 118	1 129	1 100	2 117
1872 Jan.	6 203	1 165	7 307	1 150	1 138	1 100	2 117
July	6 203	1 165	7 307	1 150	1 138	1 100	2 117
1873 Jan.	6 203	1 188	7 304	1 150	1 138	1 100	2 117
July	6 203	1 188	7 304	1 150	1 138	1 100	2 117
1874 Jan.	6 171	1 165	10 262	1 167	1 138	1 100	2 125
July	6 171	1 165	10 262	1 167	1 138	1 100	2 125
1875 Jan.	4 144	1 150	12 239	2 158	1 138	1 100	2 133
July	4 144	1 150	12 239	2 158	1 138	1 100	2 133
1876 Jan.	5 141	1 150	12 229	2 135	1 158	1 100	2 125
July	5 141	1 150	12 229	2 135	1 158	1 100	2 125
1877 Jan.	5 140	1 150	13 210	1 150	1 125	1 117	2 125
July	5 140	1 150	13 210	1 150	1 125	1 117	2 125
1878 Jan.	4 147	1 128	6 195	1 113	1 119	1 119	2 130
July	4 147	1 128	6 195	1 143	1 119	1 119	2 130
1879 Jan.	3 146	1 128	7 188	1 143	1 119	1 133	2 130
July	3 146	1 128	7 188	1 143	1 119	1 133	2 130
1880 Jan.	3 146	1 120	7 214	1 150	1 125	1 167	2 138
July	3 146	1 120	7 214	1 150	1 125	1 167	2 138

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Cotton Goods—(Con.)									
No of estab.		38									
State		Mass.									
Reference		594	596	599	600	602	605	610			
Occupation		Overseers				Roller		Second			
		Weaving Dept.		Painters	Pickers	Coverers	Scrubbers	Hands	Spoolers		
Sex		Male		Male	Male	Male	Female	Male	Female		
Base wages		\$2.065		\$1.36	\$ .71	\$1.50	\$ .45	\$1.365	\$ .50		
		Rel.		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.		
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages		
1860	Jan.	4 100	3 100	12 100	2 100	4 100	13 100	47 100			
	July	4 100	3 100	12 100	2 100	4 100	13 100	47 100			
1861	Jan.	4 85	2 104	9 111	2 100	4 83	13 77	45 84			
	July	4 85	2 104	9 111	2 100	4 83	13 77	45 84			
1862	Jan.	4 85	2 107	9 109	1 111	4 83	13 78	45 80			
	July	4 85	2 107	9 109	1 111	4 83	13 78	45 80			
1863	Jan.	4 103	2 107	9 146	1 111	4 111	10 101	45 105			
	July	4 103	2 107	9 146	1 111	4 111	10 101	45 105			
1864	Jan.	3 129	2 113	7 181	1 122	4 129	12 113	44 95			
	July	3 129	2 113	7 181	1 122	4 129	12 113	44 95			
1865	Jan.	4 121	2 135	9 193	2 142	4 149	11 139	—			
	July	4 121	2 135	9 193	2 142	4 149	11 139	—			
1866	Jan.	4 157	2 156	9 200	2 151	7 164	12 157	37 200			
	July	4 157	2 156	9 200	2 151	7 164	12 157	37 200			
1867	Jan.	4 157	2 156	8 200	2 151	7 164	12 160	37 200			
	July	4 157	2 156	8 200	2 151	7 164	12 160	37 200			
1868	Jan.	4 157	3 159	9 187	2 167	7 160	12 154	36 192			
	July	4 157	3 159	9 187	2 167	7 160	12 154	36 192			
1869	Jan.	4 157	3 159	10 187	2 151	7 152	13 153	35 208			
	July	4 157	3 159	10 187	2 151	7 152	13 153	35 208			
1870	Jan.	4 163	3 159	11 170	2 160	7 157	13 149	34 184			
	July	4 163	3 159	11 170	2 160	7 157	13 149	34 184			
1871	Jan.	4 163	4 161	11 194	2 160	7 169	13 158	40 200			
	July	4 163	4 161	11 194	2 160	7 169	13 158	40 200			
1872	Jan.	4 151	4 161	10 200	3 161	7 169	12 163	37 200			
	July	4 151	4 161	10 200	3 161	7 169	12 163	37 200			
1873	Jan.	4 151	4 161	7 211	3 163	7 169	12 163	34 200			
	July	4 151	4 161	7 211	3 163	7 169	12 163	34 200			
1874	Jan.	4 154	4 142	12 170	3 146	7 146	11 152	34 172			
	July	4 154	4 142	12 170	3 146	7 146	11 152	34 172			
1875	Jan.	4 151	4 179	12 137	3 127	7 127	13 155	33 161			
	July	4 144	4 179	12 137	3 127	7 127	13 155	33 161			
1876	Jan.	4 194	3 137	12 134	3 102	7 123	14 127	24 138			
	July	4 194	3 137	12 134	3 102	7 123	14 127	24 138			
1877	Jan.	4 157	3 150	12 134	3 102	7 99	10 119	24 130			
	July	4 157	3 150	12 134	3 102	7 99	10 119	24 130			
1878	Jan.	4 184	4 92	9 125	3 103	8 116	9 115	23 130			
	July	4 184	4 92	9 125	3 103	8 116	9 115	23 130			
1879	Jan.	4 184	4 92	6 125	2 103	8 116	10 115	23 130			
	July	4 166	4 92	6 125	2 103	8 120	10 118	23 138			
1880	Jan.	4 166	2 129	4 147	2 100	8 120	11 127	23 138			
	July	4 176	3 141	4 147	2 100	8 128	11 131	23 152			



TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Cotton Goods—(Con.)						
No. of estab.		38						
State		Mass.						
Reference		612	617	622	622	623	625	626
Occupation		Sweepers	Third Hands	Waste Hands	Watchmen	Wheelpit Men	Yard Hands	Yarn Carriers
Sex		Female	Male	Male	Male	Male	Male	Male
Base wages		\$ .71	\$ .97	\$ 1.10	\$ 1.33	\$ 2.00	\$ 1.10	\$ .68
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860	Jan.	2 100	17 100	3 100	4 100	1 100	5 100	3 100
	July	2 100	17 100	3 100	4 100	1 100	5 100	3 100
1861	Jan.	1 70	18 71	3 91	4 81	1 113	4 91	3 74
	July	1 70	18 71	3 91	4 81	1 113	4 91	3 74
1862	Jan.	1 85	12 80	3 86	4 81	1 113	3 82	2 74
	July	1 85	12 80	3 86	4 81	1 113	3 82	2 74
1863	Jan.	3 97	9 103	2 121	4 107	1 113	3 110	3 74
	July	3 97	9 103	2 121	4 107	1 113	3 110	3 74
1864	Jan.	3 102	4 155	1 136	4 113	1 125	3 127	4 92
	July	3 102	4 155	1 136	4 113	1 125	3 127	4 92
1865	Jan.	3 102	6 159	2 132	4 132	2 133	3 114	1 178
	July	3 102	6 159	2 132	4 132	2 133	3 114	1 178
1866	Jan.	14 104	13 175	2 114	2 150	1 150	3 127	4 145
	July	14 104	13 175	2 114	2 150	1 150	3 127	4 145
1867	Jan.	14 87	17 175	3 127	2 150	1 150	3 136	5 147
	July	14 87	17 175	3 127	2 150	1 150	3 136	5 147
1868	Jan.	14 85	17 175	2 136	3 144	1 150	3 136	3 143
	July	14 85	17 175	2 136	3 144	1 150	3 136	3 143
1869	Jan.	16 88	18 168	2 127	3 144	1 150	3 132	4 137
	July	16 88	18 168	2 127	3 144	1 150	3 132	4 137
1870	Jan.	18 77	15 151	2 118	3 132	1 138	3 136	4 134
	July	18 77	15 151	2 118	3 132	1 138	3 136	4 134
1871	Jan.	19 78	15 163	2 136	3 150	1 138	3 136	3 151
	July	19 78	15 163	2 136	3 150	1 138	3 136	3 151
1872	Jan.	17 82	15 171	2 136	3 150	1 138	3 136	3 151
	July	17 82	15 171	2 136	3 150	1 138	3 136	3 151
1873	Jan.	16 82	14 172	2 136	3 150	1 138	3 144	3 141
	July	16 82	14 172	2 136	3 150	1 138	3 144	3 141
1874	Jan.	18 74	15 156	2 121	3 132	1 100	3 127	4 129
	July	18 74	15 156	2 121	3 132	1 100	3 127	4 129
1875	Jan.	20 64	26 130	2 91	3 118	2 82	3 91	6 116
	July	20 64	26 130	2 91	3 118	2 82	3 91	6 116
1876	Jan.	19 57	15 123	2 90	3 118	1 72	3 82	4 95
	July	19 57	15 123	2 90	3 118	1 72	3 82	4 95
1877	Jan.	17 56	14 126	2 90	3 91	1 72	3 86	4 101
	July	17 56	14 126	2 90	3 91	1 72	3 86	4 101
1878	Jan.	17 57	19 113	2 85	3 111	1 68	3 82	3 118
	July	17 57	19 113	2 85	3 111	1 68	3 82	3 118
1879	Jan.	13 56	21 119	2 85	4 111	1 73	3 82	2 107
	July	13 57	20 123	2 85	4 111	1 73	3 82	2 107
1880	Jan.	11 57	18 130	2 100	3 111	1 80	2 95	1 103
	July	11 60	18 137	2 100	3 111	1 80	2 95	1 103

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	No. of estab.	Cotton Goods—(Con.)							
		39							
State		Mass.							
Reference		630	632	634	640	643	646	646	
Occupation		Card	Card			Drawing	Foremen	Foremen	
		Grinders	Strippers	Carpenters	Drawers-in	Hands	Carpenters	Machinists	
Sex		Male	Male	Male	Female	Female	Male	Male	
Base wages		\$ .83	\$ .625	\$ 1.42	\$ .475	\$ .42	\$ 1.75	\$ 1.75	
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860	Jan.	2 100	6 100	11 100	5 100	4 100	1 100	1 100	
	July	2 110	6 103	11 96	3 112	3 119	1 107	1 100	
1861	Jan.	2 110	3 111	9 98	4 84	3 119	1 107	1 100	
	July	2 110	4 112	11 99	5 113	3 119	1 107	1 100	
1862	Jan.	3 114	4 112	10 98	4 114	3 119	1 107	1 94	
	July	3 104	2 104	12 95	3 117	2 95	1 114	1 94	
1863	Jan.	2 110	1 96	24 90	2 114	2 95	1 114	1 114	
	July	2 110	1 96	26 92	2 114	2 95	1 114	1 114	
1864	Jan.	2 151	5 120	14 106	5 123	3 119	1 114	1 119	
	July	1 160	2 179	8 128	2 143	2 119	1 129	3 129	
1865	Jan.	1 160	2 179	8 143	2 141	2 119	1 143	1 143	
	July	2 201	4 179	14 148	7 133	4 129	1 143	3 143	
1866	Jan.	2 202	4 179	12 147	6 189	4 160	1 171	1 171	
	July	2 192	4 179	12 150	5 171	5 160	1 171	1 186	
1867	Jan.	2 191	5 179	13 144	5 213	4 160	1 186	1 186	
	July	2 190	3 179	12 144	3 216	5 160	1 186	1 200	
1868	Jan.	2 170	4 160	27 151	4 202	4 160	1 200	1 229	
	July	3 190	5 160	26 148	4 179	6 160	1 200	1 257	
1869	Jan.	2 190	4 160	16 149	5 206	4 160	1 200	1 257	
	July	3 174	4 160	11 149	5 196	6 160	1 200	1 257	
1870	Jan.	3 174	4 146	43 148	3 193	5 160	1 200	1 257	
	July	3 201	4 173	26 153	11 179	7 160	1 214	1 257	
1871	Jan.	3 181	7 159	20 156	12 173	8 160	1 214	1 257	
	July	3 181	4 159	40 157	13 169	5 160	1 214	1 257	
1872	Jan.	3 178	4 140	17 158	11 186	4 160	1 214	1 257	
	July	3 178	3 150	22 155	15 187	2 160	1 214	1 257	
1873	Jan.	3 178	4 159	54 159	13 193	4 149	1 214	1 186	
	July	3 184	3 177	18 161	15 203	4 160	1 200	1 200	
1874	Jan.	2 171	3 162	12 158	10 196	3 148	1 200	1 200	
	July	2 167	2 175	12 160	14 217	3 146	1 200	1 200	
1875	Jan.	3 160	2 140	9 155	2 203	7 149	1 182	1 182	
	July	2 158	2 140	9 155	1 154	7 149	1 182	1 182	
1876	Jan.	2 158	2 142	14 157	4 184	7 146	1 200	1 200	
	July	2 157	2 136	5 149	4 184	6 139	1 200	1 200	
1877	Jan.	2 151	2 112	10 138	4 184	7 126	1 186	1 214	
	July	2 151	2 136	9 142	4 184	7 126	1 186	1 214	
1878	Jan.	2 151	4 112	10 142	5 161	8 131	1 186	1 214	
	July	2 157	2 112	9 142	5 164	11 132	1 186	1 214	
1879	Jan.	3 169	5 136	8 121	12 181	9 114	1 186	1 214	
	July	3 169	4 136	9 122	12 186	9 114	1 171	1 171	
1880	Jan.	4 169	5 136	11 122	17 201	7 115	1 171	1 171	
	July	3 169	4 144	8 124	14 213	7 119	1 171	1 171	

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Cotton Goods—(Con.)						
No. of estab.		39						
State		Mass.						
Reference		647	650	655	656	657	658	659
Occupation	Foremen	Machinists		Overseers	Overseers	Overseers	Overseers	Overseers
	Yard			Carding	Cloth	Dressing	Spinning	Weaving
Sex	Male	Male		Dept.	Room	Dept.	Dept.	Dept.
Base wages	\$2.00	\$1.88		\$2.00	\$2.25	\$1.75	\$2.00	\$2.00
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	1 100	24 100	1 100	1 100	1 100	1 100	1 100	1 100
July	1 100	24 101	1 100	1 100	1 100	1 100	1 100	1 100
1861 Jan.	1 100	14 104	1 100	1 100	1 100	1 100	1 100	1 100
July	1 100	13 106	1 100	1 100	1 100	1 100	1 100	1 100
1862 Jan.	1 100	14 97	1 100	1 100	1 100	1 100	1 100	1 100
July	1 100	17 99	1 75	1 78	1 86	1 75	1 75	1 75
1863 Jan.	1 100	7 109	1 100	1 78	1 114	1 100	1 100	1 100
July	1 100	10 102	1 100	1 78	1 114	1 100	1 100	1 100
1864 Jan.	1 100	11 112	1 100	1 78	1 114	1 100	1 100	1 100
July	1 100	10 126	1 113	1 92	1 114	1 88	1 113	1 113
1865 Jan.	1 100	10 145	1 113	1 100	1 129	1 88	1 113	1 113
July	1 113	12 136	1 113	1 100	1 129	2 113	1 113	1 113
1866 Jan.	1 125	16 146	1 125	1 111	1 143	1 125	1 138	1 138
July	1 125	15 149	1 125	1 111	1 143	1 129	1 138	1 138
1867 Jan.	1 125	14 158	1 125	1 122	1 143	1 138	1 150	1 150
July	1 125	15 155	1 138	1 122	1 143	1 138	1 150	1 150
1868 Jan.	1 125	23 154	1 138	1 122	1 143	1 138	1 150	1 150
July	1 125	16 158	1 138	1 122	1 143	1 138	1 150	1 150
1869 Jan.	1 125	22 158	1 138	1 133	1 114	1 138	1 150	1 150
July	1 125	18 155	1 138	1 133	1 114	1 100	1 150	1 150
1870 Jan.	1 125	20 156	1 100	1 133	1 114	1 100	1 163	1 163
July	1 125	19 157	1 104	1 133	1 114	1 75	1 163	1 163
1871 Jan.	1 125	19 161	1 104	1 133	1 93	2 81	1 175	1 175
July	1 125	30 142	1 104	1 133	1 93	2 79	1 188	1 188
1872 Jan.	1 125	24 151	1 113	1 133	1 114	2 86	1 188	1 188
July	1 125	25 153	1 125	1 133	1 129	2 113	1 188	1 188
1873 Jan.	1 125	39 148	1 125	1 133	1 129	4 113	1 188	1 188
July	1 125	18 157	1 134	1 133	1 200	2 131	1 175	1 175
1874 Jan.	1 125	20 153	1 134	1 133	1 200	2 131	1 175	1 175
July	1 125	18 152	1 134	1 133	1 200	2 131	1 175	1 175
1875 Jan.	1 125	16 137	1 136	1 121	1 156	2 131	1 159	1 159
July	1 125	16 137	1 136	1 121	1 156	2 131	1 159	1 159
1876 Jan.	1 125	21 139	1 136	1 121	1 143	2 163	1 159	1 159
July	1 125	12 127	1 136	1 121	1 143	2 163	1 159	1 159
1877 Jan.	1 125	17 133	1 136	1 121	1 114	2 150	1 150	1 150
July	1 125	20 136	1 136	1 121	1 114	2 150	1 150	1 150
1878 Jan.	1 125	18 137	1 136	1 121	1 114	2 150	1 150	1 150
July	1 125	18 137	1 136	1 133	1 114	2 181	1 150	1 150
1879 Jan.	1 125	19 124	1 163	1 133	1 186	2 200	1 225	1 225
July	1 125	17 114	1 163	1 133	1 186	2 200	1 225	1 225
1880 Jan.	1 125	17 126	1 163	1 133	1 186	2 200	1 200	1 200
July	1 125	20 127	1 163	1 133	1 171	2 213	1 200	1 200

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	No. of estab.	Cotton Goods—(Con.)						
		39						
State		Mass.						
Reference	660	663	668	673	678	680	685	
Occupation	Painters	Pickers	Second Hands	Section Hands	Slasher Tenders	Speeders	Spinners, Frame	
Sex	Male	Male	Male	Male	Male	Female	Female	
Base wages	\$1.14	\$.735	\$1.175	\$.76	\$1.08	\$.52	\$.475	
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860 Jan.	7 100	2 100	6 100	5 100	3 100	4 100	28 100	
July	7 104	2 102	7 103	6 110	4 92	4 106	21 92	
1861 Jan.	7 111	2 102	6 103	6 106	2 83	4 104	26 97	
July	5 111	2 102	2 103	6 107	2 83	4 101	29 95	
1862 Jan.	4 111	2 102	3 101	6 109	1 84	4 104	30 102	
July	6 100	1 102	4 89	4 103	—	2 96	25 102	
1863 Jan.	4 95	1 113	1 99	3 113	2 97	1 92	23 97	
July	6 97	1 113	1 99	3 113	2 97	1 92	25 99	
1864 Jan.	8 97	1 136	2 128	2 109	5 111	2 106	24 114	
July	6 119	1 170	2 106	3 123	3 131	3 110	25 121	
1865 Jan.	6 130	1 204	2 106	2 109	2 127	2 110	28 118	
July	6 133	2 181	5 136	5 147	2 139	5 121	34 131	
1866 Jan.	6 132	2 171	5 149	7 185	6 148	4 161	34 191	
July	5 136	3 165	4 154	7 185	4 155	5 161	31 189	
1867 Jan.	4 137	2 171	4 160	8 176	3 195	4 161	35 192	
July	4 159	2 171	5 156	5 191	3 195	4 161	33 194	
1868 Jan.	5 152	3 141	5 162	5 161	3 176	4 161	34 169	
July	19 205	2 144	5 162	5 167	3 165	4 161	39 176	
1869 Jan.	11 175	2 144	5 156	10 154	3 162	6 161	48 179	
July	6 168	2 144	3 163	9 176	4 177	5 161	36 224	
1870 Jan.	9 158	4 161	4 140	12 189	6 181	5 161	38 225	
July	6 179	6 156	7 123	10 185	2 185	21 190	40 217	
1871 Jan.	5 171	6 156	4 149	16 193	3 175	20 205	32 217	
July	12 183	6 156	5 145	14 190	3 177	19 210	30 230	
1872 Jan.	7 166	6 161	3 142	18 198	3 177	16 213	34 233	
July	16 196	3 164	4 165	15 204	3 177	15 215	32 202	
1873 Jan.	15 197	14 184	7 152	16 199	2 162	16 225	42 195	
July	4 192	15 183	6 157	14 214	4 162	13 224	51 194	
1874 Jan.	2 181	11 161	7 155	16 191	5 140	10 185	54 218	
July	7 175	12 163	9 160	14 186	4 146	10 199	41 187	
1875 Jan.	4 164	7 159	6 148	11 188	2 160	10 173	45 191	
July	4 164	7 159	6 148	9 182	3 160	15 182	40 190	
1876 Jan.	3 183	9 139	7 160	6 191	2 154	15 180	28 178	
July	4 181	6 136	7 159	6 191	2 154	9 166	27 178	
1877 Jan.	2 140	5 117	5 141	7 182	2 148	12 145	24 184	
July	4 140	5 124	5 144	8 183	1 148	14 152	32 181	
1878 Jan.	3 140	6 126	5 135	7 184	1 148	13 162	31 195	
July	3 140	6 126	5 135	8 184	1 148	15 163	35 200	
1879 Jan.	3 132	7 118	9 151	21 188	6 139	11 167	31 212	
July	2 132	7 118	9 152	20 189	7 139	9 162	37 210	
1880 Jan.	3 135	7 118	10 151	12 188	7 134	18 166	44 213	
July	3 143	10 137	9 157	16 195	7 135	19 162	45 208	

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	Cotton Goods—(Con.)													
No. of estab.	39					40								
State	Mass.					Mass.								
Reference	694		696		700		705		710		713		716	
Occupation	Warpers		Watchmen		Weavers		Yard Hands		Band Boys		Card Grinders		Card Strippers	
Sex	Female		Male		Female		Male		Male		Male		Male	
Base wages	\$.595		\$.86		\$.46		\$.855		\$.79		\$.83		\$.755	
	Rel.		Rel.		Rel.		Rel.		Rel.		Rel.		Rel.	
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	6	100	14	100	19	100	17	100	2	100	11	100	11	100
July	6	115	14	100	15	103	12	101	4	89	11	100	11	100
1861 Jan.	7	108	14	100	25	110	13	101	4	93	8	105	11	99
July	6	105	14	100	16	102	14	102	1	105	8	105	11	99
1862 Jan.	7	79	14	100	18	112	10	92	1	127	8	105	14	99
July	5	84	13	100	19	102	18	101	1	127	2	96	4	99
1863 Jan.	1	67	13	100	21	117	14	104	—	—	1	106	3	100
July	1	67	13	100	23	118	13	105	—	—	—	—	—	—
1864 Jan.	2	94	15	116	20	128	8	119	—	—	6	181	9	166
July	1	109	14	145	23	149	9	150	—	—	7	178	12	175
1865 Jan.	1	97	15	145	24	140	5	148	1	63	5	179	10	180
July	2	141	14	145	25	132	10	152	4	111	6	189	9	179
1866 Jan.	4	132	16	174	24	186	14	154	1	127	6	189	9	180
July	1	161	15	174	22	198	13	168	—	—	6	189	9	181
1867 Jan.	2	168	15	174	25	189	13	178	11	94	6	194	9	185
July	2	188	15	174	26	197	34	176	6	105	6	194	9	186
1868 Jan.	2	188	20	174	25	202	25	148	1	105	5	190	15	178
July	3	188	15	174	30	191	32	153	2	95	5	193	15	180
1869 Jan.	2	153	18	174	26	175	38	165	2	95	5	190	15	180
July	3	188	15	174	39	257	19	177	2	95	5	189	15	181
1870 Jan.	2	154	18	174	44	214	24	175	2	100	5	189	15	181
July	2	139	15	174	37	197	23	175	2	100	5	189	15	181
1871 Jan.	3	182	15	174	81	237	24	151	1	105	8	198	19	189
July	2	188	15	174	92	261	35	175	—	—	8	201	19	190
1872 Jan.	2	188	15	174	76	270	27	159	2	105	8	203	19	190
July	2	188	16	174	87	259	39	175	2	105	8	202	19	192
1873 Jan.	6	173	15	174	43	255	67	165	2	105	8	187	16	179
July	4	184	14	174	50	273	49	176	2	105	8	174	16	170
1874 Jan.	5	148	14	174	29	201	37	168	1	51	8	169	16	168
July	4	143	14	174	28	214	34	176	1	51	8	172	16	164
1875 Jan.	6	146	15	174	28	143	38	161	2	63	8	166	16	161
July	7	145	15	174	32	154	39	160	2	63	8	167	16	162
1876 Jan.	2	147	14	167	41	151	20	146	3	78	8	166	16	158
July	2	147	11	163	42	192	19	146	5	87	8	166	16	155
1877 Jan.	2	143	12	151	34	171	16	134	5	89	8	169	16	152
July	2	143	12	151	33	180	14	134	5	89	8	165	16	152
1878 Jan.	2	143	11	156	38	228	16	134	5	95	8	169	16	148
July	2	143	10	156	46	232	19	134	5	91	8	168	16	146
1879 Jan.	4	134	9	144	43	217	22	120	7	83	2	169	10	126
July	4	134	11	142	46	223	35	122	7	83	2	169	10	124
1880 Jan.	4	147	8	142	40	232	25	119	6	84	2	169	10	124
July	4	147	9	146	47	228	12	123	6	84	2	169	10	124

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Cotton Goods—(Con.)							
No. of estab.		40							
State		Mass.							
Reference		722	727	727	730	730	736	736	
Occupation		Cloth-		Cloth-		Doffers		Drawing	Drawing
		Carpenters		Ro'm Hands		Ro'm Hands		Hands	Hands
Sex		Male	Female	Male	Female	Male	Female	Male	Female
Base wages		\$1.49	\$ .61	\$ .50	\$ .315	\$ .305	\$ .455	\$ .66	
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	8 100	6 100	2 100	2 100	27 100	22 100	5 100		
July	8 100	6 100	2 100	5 103	28 100	23 105	4 100		
1861 Jan.	7 104	5 87	2 108	5 103	25 102	9 130	5 95		
July	7 104	5 87	2 108	3 112	15 107	9 134	5 95		
1862 Jan.	7 105	1 82	1 116	2 105	14 105	8 114	4 79		
July	9 106	1 82	1 116	1 105	5 114	5 122	2 94		
1863 Jan.	9 103	—	1 116	4 98	9 94	3 101	—		
July	9 107	—	1 116	—	—	1 114	—		
1864 Jan.	13 128	3 99	—	—	15 124	13 127	2 106		
July	9 139	3 99	—	—	15 124	18 125	3 113		
1865 Jan.	11 128	3 130	—	—	15 132	20 117	3 121		
July	11 140	3 130	—	6 127	14 132	20 127	3 129		
1866 Jan.	14 141	8 136	2 169	6 159	10 165	21 139	5 157		
July	8 159	8 136	2 169	8 159	9 165	19 134	6 176		
1867 Jan.	16 153	4 143	3 170	14 167	12 208	22 136	5 155		
July	17 152	4 146	3 170	13 194	9 207	22 138	5 164		
1868 Jan.	17 148	4 146	3 170	9 195	4 190	26 145	3 139		
July	17 151	3 148	4 170	11 190	4 190	25 144	3 141		
1869 Jan.	15 154	3 148	4 174	9 192	4 195	24 141	2 135		
July	15 154	3 148	4 174	7 189	4 195	24 141	3 115		
1870 Jan.	20 147	5 144	2 170	5 171	4 180	25 142	4 174		
July	20 147	5 144	2 170	5 171	4 180	24 138	6 176		
1871 Jan.	18 153	4 146	3 181	2 159	10 164	24 176	6 181		
July	18 153	4 146	3 181	2 159	10 164	25 181	3 173		
1872 Jan.	18 157	3 164	3 228	5 159	15 164	21 175	2 239		
July	18 157	3 164	3 228	5 159	15 164	24 186	3 215		
1873 Jan.	18 152	7 156	3 189	5 159	9 157	25 179	2 144		
July	18 147	7 156	3 189	2 159	9 157	28 176	2 136		
1874 Jan.	18 143	7 137	3 170	1 159	10 148	23 152	3 121		
July	18 144	7 139	5 173	1 159	11 152	24 151	3 125		
1875 Jan.	18 143	9 134	4 180	—	17 126	26 144	2 114		
July	18 142	12 134	4 183	—	17 130	27 146	2 114		
1876 Jan.	18 133	10 121	3 163	—	12 148	26 142	1 103		
July	18 133	10 121	3 163	—	11 152	28 138	1 106		
1877 Jan.	18 128	11 118	6 145	—	9 152	28 134	1 76		
July	18 131	9 120	5 146	—	9 144	29 134	1 76		
1878 Jan.	18 126	12 115	5 146	—	10 151	25 135	1 76		
July	18 126	11 111	4 138	—	9 147	26 138	1 76		
1879 Jan.	14 124	11 112	5 136	3 111	11 113	28 138	7 93		
July	14 124	11 112	5 136	3 111	13 113	32 142	7 93		
1880 Jan.	14 124	12 120	5 148	3 111	13 120	34 149	8 101		
July	14 124	12 120	5 148	6 108	14 98	34 151	8 102		

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	Cotton Goods—(Con.)							
No. of estab.	40							
State	Mass.							
Reference	743	743	746	748	751	752	752	
Occupation	Dressers	Dressers	Engineers	Firemen	Foremen	Harness Hands	Harness Hands	
Sex	Female	Male	Male	Male	Male	Female	Male	
Base wages	\$1.06	\$.98	\$3.00	\$1.415	\$1.50	\$.465	\$.38	
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860 Jan.	9 100	2 100	1 100	4 100	1 100	5 100	2 100	
July	10 105	2 100	1 100	3 102	1 100	4 103	3 97	
1861 Jan.	8 107	3 101	1 100	3 98	1 117	1 125	2 121	
July	7 106	3 102	1 100	3 99	1 117	1 125	2 121	
1862 Jan.	6 69	2 88	1 100	4 100	1 117	1 140	2 126	
July	6 71	2 90	1 100	4 105	1 117	1 140	1 132	
1863 Jan.	3 54	1 88	1 100	4 105	1 117	1 151	— —	
July	3 55	1 92	1 100	4 99	1 117	1 151	— —	
1864 Jan.	5 105	2 94	2 92	4 104	1 150	2 162	1 197	
July	5 105	2 100	2 92	4 106	1 167	2 162	1 197	
1865 Jan.	10 92	3 73	2 96	4 107	1 167	1 162	— —	
July	11 98	4 88	2 96	4 108	1 167	1 162	— —	
1866 Jan.	11 117	5 111	2 96	4 112	1 157	3 185	2 216	
July	7 138	7 117	2 100	4 118	1 167	1 192	1 234	
1867 Jan.	7 147	3 160	2 100	4 118	1 200	5 180	3 229	
July	8 142	3 160	2 100	4 118	1 200	10 168	3 221	
1868 Jan.	9 142	3 204	2 100	4 116	1 200	7 177	4 213	
July	10 141	3 204	2 100	4 116	1 200	7 177	4 213	
1869 Jan.	3 142	2 204	3 95	5 118	1 200	8 152	5 232	
July	2 139	1 204	3 95	5 117	1 200	8 154	5 232	
1870 Jan.	2 138	4 217	3 92	4 118	1 200	4 172	2 230	
July	1 91	3 221	3 92	4 118	1 200	4 173	2 230	
1871 Jan.	— —	4 211	3 92	4 118	1 217	5 201	2 250	
July	— —	4 179	3 92	4 118	1 217	5 203	2 250	
1872 Jan.	— —	3 195	3 97	4 114	1 217	6 213	2 230	
July	1 165	4 191	3 97	3 117	1 217	6 233	2 250	
1873 Jan.	2 122	3 213	3 97	3 118	1 200	6 213	2 243	
July	1 94	6 194	3 97	2 124	1 200	6 213	2 237	
1874 Jan.	1 57	5 185	3 95	2 124	1 200	6 210	2 237	
July	1 64	4 185	3 97	3 116	1 200	6 206	2 224	
1875 Jan.	1 57	4 163	3 100	4 113	1 200	6 206	2 224	
July	1 57	6 129	3 100	5 113	1 200	6 206	2 243	
1876 Jan.	1 57	6 124	3 100	6 114	1 200	6 206	2 230	
July	1 57	6 126	3 100	6 114	1 200	5 209	2 237	
1877 Jan.	1 57	6 122	3 103	6 114	1 200	4 212	1 237	
July	1 57	5 120	3 100	6 114	1 200	4 212	1 237	
1878 Jan.	2 66	6 120	3 103	5 113	1 200	4 212	1 237	
July	2 66	6 122	3 103	4 110	1 200	4 212	2 283	
1879 Jan.	1 47	6 104	1 117	5 99	1 200	5 213	— —	
July	1 47	6 104	1 117	5 99	1 208	5 213	— —	
1880 Jan.	1 52	7 106	1 117	5 99	1 208	5 213	— —	
July	1 57	6 112	1 117	5 99	1 210	5 213	— —	

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	Cotton Goods—(Con.)						
	40						
State	Mass.						
Reference	756	762	766	768	769	770	770
Occupation	Laborers	Machinists	Machinists	Master	Overseers	Overseers	Overseers
Sex	Male	Male	Male	Male	Carding	Cloth	Dressing
Base wages	\$ .995	\$ 1.765	\$ .875	\$ 2.00	Dept.	Room	Dept.
	Rel.	Rel.	Rel.	Rel.	Male	Male	Male
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	16 100	14 100	2 100	1 100	1 100	1 100	1 100
July	16 100	13 102	2 100	1 100	1 100	1 100	1 100
1861 Jan.	11 103	10 105	3 114	1 113	1 100	1 106	1 100
July	11 103	10 105	3 114	1 113	1 100	1 106	1 100
1862 Jan.	9 100	10 105	3 114	1 113	1 100	1 106	1 137
July	6 106	10 105	2 114	1 113	1 100	1 106	1 137
1863 Jan.	5 107	9 103	2 124	1 113	1 100	1 106	1 137
July	4 124	10 102	3 137	1 125	1 100	1 106	1 137
1864 Jan.	11 147	14 125	4 119	1 150	1 110	1 106	1 150
July	14 173	13 127	4 126	1 150	1 110	1 123	1 150
1865 Jan.	8 164	14 126	2 129	1 150	1 110	1 123	1 164
July	13 174	15 134	—	1 150	1 120	1 123	1 164
1866 Jan.	13 176	16 132	1 77	1 163	1 120	1 123	1 164
July	8 177	17 142	1 114	1 163	1 120	1 123	1 164
1867 Jan.	15 166	19 145	3 114	1 163	1 120	1 123	1 164
July	16 175	22 146	3 114	1 163	1 120	1 123	1 164
1868 Jan.	16 175	22 143	4 134	1 163	1 120	1 123	1 164
July	16 175	22 143	4 134	1 163	1 120	1 123	1 164
1869 Jan.	17 177	21 143	1 134	1 163	1 120	1 123	1 164
July	17 177	21 143	1 134	1 163	1 120	1 123	1 164
1870 Jan.	23 178	24 142	1 95	1 163	1 120	1 123	1 164
July	23 178	24 142	1 95	1 163	1 120	1 123	1 164
1871 Jan.	11 176	22 144	1 114	1 163	1 120	1 194	1 164
July	11 176	22 144	1 114	1 163	1 120	1 194	1 164
1872 Jan.	11 178	18 149	2 119	1 163	1 120	1 194	1 164
July	11 176	18 148	2 119	1 163	1 120	1 194	1 164
1873 Jan.	10 146	18 141	2 129	1 163	1 120	1 211	1 164
July	10 132	18 136	2 143	1 163	1 120	1 211	1 164
1874 Jan.	10 128	18 136	2 143	1 163	1 120	1 190	1 164
July	10 126	18 132	2 143	1 163	1 120	1 211	1 164
1875 Jan.	10 125	18 129	2 143	1 175	1 120	1 211	1 164
July	10 124	18 128	2 143	1 175	1 120	1 211	1 164
1876 Jan.	10 122	18 127	2 143	1 175	1 120	1 176	1 164
July	10 118	18 125	2 143	1 175	1 120	1 176	1 164
1877 Jan.	10 119	18 123	2 143	1 175	1 120	1 176	1 164
July	10 119	18 120	2 143	1 175	1 120	1 176	1 164
1878 Jan.	10 116	18 122	1 143	1 188	1 120	1 141	1 164
July	10 113	18 119	1 143	1 188	1 120	1 141	1 164
1879 Jan.	13 117	16 118	3 105	1 200	1 160	1 141	1 164
July	13 117	16 118	3 105	1 200	1 160	1 141	1 164
1880 Jan.	13 117	16 118	3 105	1 213	1 160	1 176	1 164
July	13 117	16 118	3 105	1 225	1 160	1 176	1 164



TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Cotton Goods—(Con.)						
No. of estab.		40						
State		Mass.						
Reference		771	773	775	779	783	788	792
		Overseers	Overseers	Picking	Room	Roving	Second	Section
Occupation		Spinning	Weaving	Room	Room	Hands	Hands	Hands
		Dept.	Dept.	Hands	Hands	Hands	Hands	Hands
Sex		Male	Male	Male	Female	Male	Male	Male
Base wages		\$2.50	\$2.25	\$ .85	\$ .67	\$ .38	\$1.485	\$1.25
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860	Jan.	1 100	2 100	4 100	1 100	4 100	6 100	4 100
	July	1 100	2 100	4 100	1 100	5 101	6 100	4 102
1861	Jan.	1 100	2 111	6 98	1 112	4 101	7 97	4 107
	July	1 100	2 111	6 98	1 112	4 104	7 97	4 108
1862	Jan.	1 100	2 111	7 98	1 112	—	6 97	1 106
	July	1 100	2 111	7 98	1 112	1 132	5 97	1 106
1863	Jan.	1 100	1 111	2 106	1 112	—	6 97	—
	July	—	1 111	2 106	1 112	—	3 96	—
1864	Jan.	1 120	2 98	4 156	2 98	3 123	13 109	7 108
	July	1 120	2 102	5 165	1 106	3 132	13 112	7 108
1865	Jan.	1 110	2 102	2 162	2 106	2 145	14 114	5 127
	July	1 110	2 111	4 162	1 149	2 151	14 118	3 131
1866	Jan.	1 120	2 111	7 181	8 152	4 153	15 119	4 122
	July	1 120	2 111	8 187	2 153	4 168	11 121	5 115
1867	Jan.	1 120	2 115	8 188	6 160	4 180	18 126	4 129
	July	1 120	2 115	9 178	6 154	8 162	18 128	7 126
1868	Jan.	1 120	1 100	8 169	5 158	6 166	18 125	7 138
	July	1 120	1 100	7 177	5 158	6 161	18 125	10 146
1869	Jan.	1 120	1 100	7 177	5 161	6 161	18 126	9 144
	July	1 120	1 100	7 181	5 161	5 157	18 126	9 145
1870	Jan.	1 120	1 111	8 174	5 184	3 188	15 128	3 138
	July	1 120	1 111	8 174	5 184	3 197	15 128	3 144
1871	Jan.	1 120	1 111	10 172	10 164	3 220	19 129	—
	July	1 120	1 111	10 172	10 164	3 228	19 129	—
1872	Jan.	1 120	1 111	8 180	9 155	3 240	21 128	4 125
	July	1 120	1 111	8 180	9 155	2 263	21 128	4 125
1873	Jan.	1 160	1 100	8 162	9 147	2 255	20 129	4 107
	July	1 160	1 89	8 151	9 146	2 230	20 127	4 107
1874	Jan.	1 120	1 100	8 149	9 151	2 217	20 127	1 120
	July	1 120	1 89	8 147	9 152	2 211	19 128	1 120
1875	Jan.	1 160	1 100	8 148	9 155	2 204	19 126	2 140
	July	1 160	1 89	8 146	9 158	2 178	19 128	1 160
1876	Jan.	1 220	1 89	8 145	9 161	2 164	20 128	2 148
	July	1 220	1 89	8 145	9 160	4 138	19 128	2 148
1877	Jan.	1 200	1 89	8 144	9 158	4 145	20 129	2 140
	July	1 200	1 89	8 145	9 157	4 149	20 129	2 140
1878	Jan.	1 200	1 89	8 145	9 160	4 149	20 130	2 140
	July	1 200	1 89	8 145	9 160	4 145	20 130	2 140
1879	Jan.	1 200	1 133	7 136	6 129	8 128	8 130	5 122
	July	1 200	1 133	7 136	6 129	9 132	8 130	5 126
1880	Jan.	1 200	1 133	7 136	6 129	10 133	8 132	4 122
	July	1 200	1 133	7 136	6 129	9 136	8 134	5 123

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	Cotton Goods—(Con.)							
No. of estab.	40							
State	Mass.							
Reference	797	806	806	813	816	819	821	
Occupation	Speeders	Spoolers	Spoolers	Stretchers	Sweepers	Teamsters	Third Hands	
Sex	Female	Female	Male	Female	Female	Male	Male	
Base wages	\$.505	\$.405	\$.45	\$.535	\$.39	\$1.50	\$1.265	
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860 Jan.	8 100	9 100	4 100	3 100	2 100	1 100	5 100	
July	8 100	11 95	5 101	3 100	2 100	1 100	5 100	
1861 Jan.	6 104	15 86	2 84	6 110	1 103	2 92	5 100	
July	6 105	20 90	2 96	6 114	1 103	2 92	5 100	
1862 Jan.	6 105	12 98	3 119	8 113	—	2 92	4 100	
July	1 99	12 101	3 128	3 118	—	2 92	2 96	
1863 Jan.	1 99	7 88	1 62	8 119	—	3 89	2 82	
July	—	7 103	2 61	6 116	—	2 83	2 82	
1864 Jan.	10 144	10 120	3 92	6 117	3 128	3 94	2 112	
July	8 154	11 127	3 98	6 120	2 147	3 94	1 132	
1865 Jan.	8 152	15 118	7 107	6 122	2 154	3 91	2 122	
July	8 156	17 125	6 114	6 124	5 156	3 91	2 125	
1866 Jan.	8 155	19 173	8 144	6 134	6 182	2 117	5 132	
July	8 159	24 200	5 183	6 143	7 187	2 117	2 128	
1867 Jan.	8 161	22 195	5 162	6 145	7 192	2 117	2 137	
July	8 162	19 186	4 162	6 148	7 191	1 133	2 137	
1868 Jan.	5 158	15 172	3 159	9 155	5 204	1 133	4 135	
July	5 164	16 186	2 123	9 158	6 204	1 138	3 134	
1869 Jan.	5 160	11 186	2 228	9 153	7 204	2 133	1 132	
July	5 158	11 185	3 212	9 155	7 206	2 133	1 132	
1870 Jan.	5 158	9 201	3 166	9 162	6 208	2 133	4 135	
July	5 158	12 193	2 171	9 159	6 212	2 133	4 135	
1871 Jan.	5 166	15 200	—	9 166	6 220	3 133	4 138	
July	5 178	19 179	1 82	9 170	6 224	3 133	4 138	
1872 Jan.	5 172	12 189	—	9 167	7 206	4 133	1 132	
July	5 174	17 195	—	9 166	7 204	4 133	1 132	
1873 Jan.	5 156	14 180	—	6 148	5 197	3 133	1 132	
July	5 149	20 180	—	6 133	5 200	3 133	1 132	
1874 Jan.	5 145	21 160	—	6 124	5 187	3 122	1 132	
July	5 139	15 147	—	6 123	5 185	2 125	1 132	
1875 Jan.	5 129	18 162	—	7 121	5 187	2 117	1 132	
July	5 129	22 170	—	6 112	5 195	1 100	1 132	
1876 Jan.	5 135	17 175	—	6 124	5 200	—	1 132	
July	4 144	20 179	—	4 122	8 182	—	1 132	
1877 Jan.	4 129	17 178	—	3 115	8 178	1 117	1 145	
July	4 124	18 164	—	2 103	9 174	1 117	1 145	
1878 Jan.	4 124	22 152	—	2 103	8 176	1 117	1 145	
July	4 124	24 147	—	2 103	8 174	1 117	1 145	
1879 Jan.	3 132	27 141	—	1 140	5 154	2 125	8 125	
July	3 129	34 152	—	1 140	6 154	2 125	8 125	
1880 Jan.	4 129	26 169	—	1 140	6 154	2 125	8 125	
July	3 126	31 168	—	1 131	5 154	2 125	8 125	

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry No. of estab State Reference	Cotton Goods—(Concluded)				Dry Goods		
	40				42		
	Mass.				N. H.		
	824	826	829	832	857	859	861
	Warpers Female \$.59 Rel. wages	Watchmen Male \$1.06 Rel. No. wages	Weavers Female \$.82 Rel. No. wages	Weavers Female \$.42 Rel. No. wages	Porters Male \$1.00 Rel. No. wages	Salesmen Male \$1.125 Rel. No. wages	Saleswomen Female \$.80 Rel. No. wages
	7 100	2 100	12 100	8 100	1 100	4 100	5 100
	9 100	2 100	14 100	7 100	— —	— —	— —
	11 99	4 94	14 106	6 100	— —	— —	— —
	12 103	4 94	15 106	9 100	1 100	4 100	5 100
	6 100	— —	10 108	5 102	1 100	4 100	5 100
	5 103	— —	10 106	6 102	1 100	4 100	5 100
	1 102	8 94	8 109	8 107	1 125	4 156	5 100
	1 102	8 94	9 116	9 107	1 125	4 156	5 100
	2 187	6 184	9 116	10 107	1 125	4 156	5 100
	3 143	4 159	8 116	8 107	1 125	4 156	5 100
	2 127	4 156	16 125	10 107	1 125	4 178	4 104
	3 128	5 165	10 125	6 119	1 125	4 178	4 104
	6 102	5 165	45 125	9 119	1 125	4 178	4 104
	3 202	3 165	52 125	6 119	1 125	4 178	4 104
	5 193	4 165	53 125	4 119	1 125	4 178	4 104
	4 196	5 165	54 131	11 119	1 125	4 178	4 104
1868 Jan.	3 170	3 165	58 131	9 107	1 125	4 178	4 104
July	3 174	3 165	54 131	7 107	1 125	4 178	5 100
1869 Jan.	5 169	5 165	59 131	8 107	1 125	4 178	5 100
July	5 174	5 165	62 134	7 119	1 125	4 178	5 100
1870 Jan.	3 169	4 165	47 134	25 110	1 125	4 178	5 100
July	5 170	4 165	45 134	28 110	1 125	4 178	5 100
1871 Jan.	4 186	5 164	47 134	30 110	1 125	4 178	5 100
July	4 187	5 164	50 134	32 114	1 125	4 178	5 100
1872 Jan.	4 193	8 165	55 134	27 114	1 125	5 169	4 104
July	4 196	8 162	60 134	29 117	1 125	5 169	4 104
1873 Jan.	3 172	8 162	38 147	30 124	1 125	5 169	4 104
July	3 186	8 159	39 147	31 124	1 125	5 169	4 104
1874 Jan.	3 182	8 151	37 147	32 124	1 125	5 169	4 104
July	3 186	8 156	43 147	33 129	1 125	5 169	4 104
1875 Jan.	3 229	8 153	50 150	34 131	1 125	5 169	4 104
July	3 240	8 144	52 150	38 131	1 125	5 169	4 104
1876 Jan.	3 184	8 148	50 150	35 131	1 125	5 169	4 104
July	3 182	8 142	55 156	34 133	1 125	5 169	4 104
1877 Jan.	3 189	8 142	52 156	33 133	1 125	5 169	4 104
July	3 170	8 144	54 156	27 138	1 125	5 169	5 108
1878 Jan.	3 175	8 142	55 169	29 138	1 125	5 169	5 108
July	3 175	8 142	56 169	30 131	1 125	5 169	5 108
1879 Jan.	6 144	3 142	60 169	35 131	1 125	5 169	5 108
July	6 150	3 142	62 187	38 155	1 125	5 169	5 108
1880 Jan.	5 162	3 142	63 187	34 155	1 125	5 169	5 108
July	5 166	3 142	64 187	32 155	1 125	5 169	5 108

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	Ginghams.						
No. of estab.	43						
State	Mass.						
Reference	863	864	865	865	866	867	868
Occupation	Back Boys	Boiler Tenders	Card Grinders	Card Strippers	Card Tenders	Carpenters	Drawers-in
Sex	Male	Male	Male	Male	Male	Male	Female
Base wages	\$ .30	\$1.165	\$1.25	\$.83	\$.75	\$1.75	\$.80
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	16 100	2 100	2 100	4 100	7 100	4 100	5 100
July	16 100	2 100	3 100	4 100	7 100	4 100	5 100
1861 Jan.	16 100	2 100	3 100	4 100	7 100	2 100	4 100
July	16 100	2 100	3 100	4 100	7 100	2 86	4 115
1862 Jan.	16 100	2 100	3 100	4 100	6 100	2 86	4 118
July	16 100	2 100	3 100	4 100	6 100	2 86	4 111
1863 Jan.	16 100	3 100	3 100	3 100	3 111	2 86	5 108
July	16 100	3 100	3 100	3 114	3 111	3 100	5 104
1864 Jan.	16 100	4 100	3 107	3 114	6 111	4 100	5 103
July	16 117	4 129	3 120	3 135	6 133	4 114	5 103
1865 Jan.	16 117	4 129	3 120	3 135	6 149	4 114	5 103
July	16 123	3 140	3 140	4 169	6 167	4 129	6 100
1866 Jan.	16 133	3 140	4 140	4 181	5 187	5 129	6 125
July	16 150	4 140	4 140	5 181	5 187	6 134	6 150
1867 Jan.	17 150	4 140	4 140	5 181	5 187	6 134	6 163
July	17 157	5 140	4 140	5 181	7 187	6 143	6 171
1868 Jan.	17 157	5 140	4 133	5 172	6 179	5 143	6 160
July	17 157	4 140	5 133	6 172	6 179	5 143	6 156
1869 Jan.	17 157	4 140	5 133	5 172	6 179	7 143	6 154
July	17 150	4 140	5 133	7 172	7 179	8 157	6 154
1870 Jan.	10 167	4 140	5 133	8 172	6 179	12 157	9 154
July	10 167	4 150	5 133	8 172	6 179	6 157	9 155
1871 Jan.	12 167	4 150	5 133	8 172	6 179	4 157	9 144
July	12 183	4 150	5 133	5 172	6 179	9 157	10 176
1872 Jan.	12 183	4 150	5 133	5 172	6 179	9 157	9 164
July	12 183	4 150	5 133	5 172	6 179	8 157	11 164
1873 Jan.	12 183	4 150	5 133	5 172	6 179	3 157	6 155
July	12 183	4 150	5 133	5 172	6 179	7 157	6 194
1874 Jan.	12 183	4 150	5 133	4 172	6 179	5 157	4 161
July	12 200	4 150	5 133	4 172	6 179	5 157	5 185
1875 Jan.	12 200	4 150	5 121	4 161	6 163	2 130	5 194
July	12 200	7 150	5 121	4 161	6 163	7 154	5 165
1876 Jan.	12 200	7 150	5 121	4 161	6 163	10 143	5 179
July	12 200	7 150	5 112	4 157	6 160	2 143	6 144
1877 Jan.	12 200	7 150	5 112	4 163	6 167	2 143	4 171
July	12 187	7 150	5 112	3 163	6 169	2 143	6 168
1878 Jan.	12 187	7 150	5 112	3 163	5 169	2 143	6 170
July	12 187	7 150	5 112	3 163	5 169	6 143	6 168
1879 Jan.	12 187	7 150	5 112	3 163	5 167	7 129	7 178
July	12 187	8 137	5 112	3 151	5 153	7 129	5 170
1880 Jan.	12 187	8 137	5 112	3 151	5 153	6 129	6 188
July	12 187	8 146	5 112	3 151	5 153	17 129	5 184

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Year	Month	Gloucester—(Con.)												
		48						Mass.						
		869			869			870			871			
		Dressers			Dressers			Dyers			Loom Fixers			
		Male			Male			Male			Male			
		\$1.84			\$1.00			\$1.58			\$1.55			
		Rel.			Rel.			Rel.			Rel.			
		No.	wages		No.	wages		No.	wages		No.	wages		
		100	14	100	24	100	12	100	8	100	1	100	1	
		102	14	112	24	100	12	99	4	90	1	100	1	
		102	14	110	24	100	12	97	4	90	1	100	1	
		102	8	112	22	100	12	103	4	99	1	100	1	
		0	102	10	114	22	100	12	94	4	97	1	100	1
		0	102	10	120	22	100	12	84	2	92	1	100	1
		0	102	10	117	12	100	12	107	2	97	1	100	1
		0	102	11	107	12	100	12	96	4	100	1	100	1
		11	112	11	110	16	125	12	97	4	100	1	100	1
		14	122	9	112	22	150	12	99	6	107	1	100	1
		12	133	10	116	24	150	14	128	7	110	1	100	1
		15	168	11	131	38	175	17	136	7	128	1	108	1
		10	168	14	137	35	175	12	146	7	145	1	108	1
		12	173	14	136	35	175	17	147	7	152	1	108	1
		14	173	14	136	35	175	17	147	8	152	1	108	1
		14	173	14	152	41	175	17	147	8	152	1	117	1
1866	Jan.	13	167	24	137	41	175	18	146	10	148	1	117	1
	July	12	167	12	133	42	163	19	145	11	147	1	117	1
1869	Jan.	12	167	12	133	30	163	18	146	9	148	1	117	1
	July	12	167	12	152	28	163	18	147	17	146	1	117	1
1870	Jan.	12	167	12	138	28	170	21	148	36	177	1	117	1
	July	11	167	12	188	23	170	21	148	25	177	1	117	1
1871	Jan.	11	167	12	168	30	170	21	148	24	177	1	117	1
	July	10	167	8	158	30	170	21	148	25	177	1	117	1
1872	Jan.	10	167	10	171	29	170	22	148	26	177	1	117	1
	July	10	167	10	177	29	170	21	148	19	177	1	117	1
1873	Jan.	10	167	10	168	30	170	25	145	23	177	1	117	1
	July	9	167	10	179	30	170	25	145	19	177	1	117	1
1874	Jan.	9	167	11	157	30	170	25	145	12	177	1	117	1
	July	9	167	10	185	34	170	25	145	12	177	1	133	1
1875	Jan.	8	153	12	166	32	170	26	137	8	161	1	133	1
	July	9	153	12	157	29	170	25	133	9	161	1	133	1
1876	Jan.	9	153	11	173	27	170	40	133	14	161	1	133	1
	July	8	143	10	130	36	160	41	126	14	161	1	133	1
1877	Jan.	7	137	11	158	34	150	39	127	12	161	1	133	1
	July	7	127	12	134	35	140	38	128	12	161	1	133	1
1878	Jan.	6	137	12	144	34	140	38	127	12	161	1	133	1
	July	6	137	10	135	37	140	39	127	11	145	1	133	1
1879	Jan.	5	137	12	151	38	140	38	127	15	145	1	133	1
	July	5	137	12	121	42	135	37	119	12	145	1	133	1
1880	Jan.	6	137	12	135	44	135	39	119	12	145	1	133	1
	July	6	137	12	128	49	145	38	126	13	155	1	133	1

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Ginghams—(Con.)							
No. of estab.		43							
State		Mass.							
Reference		877	878	879	879	880	881	882	
		Overseers	Overseers						
Occupation		Spinning	Weaving	Painters	Pickers	Quillers	Reelers	Second	
		Dept.	Dept.					Hands	
Sex		Male	Male	Male	Male	Female	Female	Male	
Base wages		\$2.50	\$3.00	\$1.75	\$1.00	\$.57	\$.66	\$1.55	
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860	Jan.	2 100	1 100	3 100	3 100	36 100	34 100	5 100	
	July	2 100	1 100	2 100	3 100	35 100	38 100	5 100	
1861	Jan.	2 100	1 100	2 100	3 100	37 100	33 120	5 100	
	July	2 100	1 100	2 100	3 100	36 96	28 120	5 100	
1862	Jan.	2 100	1 100	2 100	3 100	34 96	26 120	5 100	
	July	2 100	1 100	2 100	3 100	29 104	19 145	5 100	
1863	Jan.	2 100	1 100	2 100	3 100	23 104	14 145	5 100	
	July	2 100	1 100	2 100	3 112	20 100	14 132	5 100	
1864	Jan.	2 100	1 100	2 100	4 112	25 100	21 132	5 103	
	July	2 100	1 100	2 103	4 125	29 128	25 130	5 116	
1865	Jan.	2 100	1 100	2 103	4 125	29 128	26 130	5 124	
	July	2 110	1 108	2 114	5 150	39 131	39 129	5 132	
1866	Jan.	2 110	1 133	2 120	4 165	45 153	45 144	5 148	
	July	2 120	1 133	2 120	4 165	45 160	43 148	5 152	
1867	Jan.	2 120	1 133	3 120	4 165	44 165	55 148	5 152	
	July	2 120	1 133	5 143	4 165	43 175	47 161	5 152	
1868	Jan.	2 120	1 133	2 143	4 157	43 167	44 160	5 155	
	July	2 120	1 133	2 143	4 157	42 170	44 159	5 155	
1869	Jan.	2 120	1 133	2 143	3 157	44 172	46 160	5 155	
	July	2 120	1 133	2 143	4 157	44 172	46 168	5 155	
1870	Jan.	2 120	1 133	4 143	7 157	43 184	43 152	5 161	
	July	2 120	1 133	2 143	7 157	43 186	34 177	5 161	
1871	Jan.	2 120	1 133	1 143	7 157	47 184	39 208	5 161	
	July	2 120	1 133	2 143	4 157	48 179	35 195	5 161	
1872	Jan.	2 120	1 133	2 143	5 157	49 186	35 208	5 194	
	July	2 120	1 133	2 143	7 157	50 177	35 209	5 161	
1873	Jan.	2 120	1 133	2 143	8 150	48 186	35 215	5 161	
	July	2 120	1 133	2 143	8 150	49 193	35 215	5 161	
1874	Jan.	2 120	1 133	2 143	8 150	49 191	36 195	5 161	
	July	2 130	1 133	2 157	8 150	48 202	37 191	5 161	
1875	Jan.	2 125	1 133	2 157	8 136	49 180	34 171	5 150	
	July	2 125	1 133	3 143	8 136	49 182	36 168	5 150	
1876	Jan.	2 125	1 133	4 114	8 136	51 186	36 171	5 150	
	July	2 128	1 133	3 114	7 132	63 182	37 162	5 156	
1877	Jan.	2 128	1 133	2 143	6 140	57 168	47 155	5 156	
	July	2 128	1 133	2 143	5 140	60 174	49 154	5 156	
1878	Jan.	2 128	1 133	2 143	7 140	56 175	49 159	5 152	
	July	2 128	1 133	8 143	5 140	60 179	49 153	5 149	
1879	Jan.	2 128	1 133	2 143	6 130	59 177	53 153	5 151	
	July	2 128	1 133	3 143	6 130	60 168	53 144	5 148	
1880	Jan.	2 128	1 133	4 143	5 130	61 170	51 149	5 148	
	July	2 128	1 133	6 129	6 130	62 177	50 152	5 152	

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	No. of estab.	State	Ginghams—(Con.)					
			48 Mass.					
Reference	885		886	886	887	888	889	889
Occupation	Smash		Spinners,					
	Menders		Speeders	Frame	Warpers	Watchmen	Weavers	Weavers
Sex	Male		Female	Female	Female	Male	Female	Male
Base wages	\$1.80		\$1.60	\$1.56	\$1.73	\$1.165	\$1.72	\$1.93
	Rel.		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
	No. wages		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	3 100		13 100	19 100	26 100	2 100	115 100	85 100
July	3 100		13 100	17 105	26 100	2 100	109 97	97 98
1861 Jan.	3 100		10 100	10 105	27 100	2 100	98 99	108 100
July	3 100		13 100	10 105	20 184	2 100	97 111	100 104
1862 Jan.	3 87		13 100	10 105	20 188	2 100	120 101	82 97
July	3 87		13 100	10 105	19 190	2 100	89 114	65 104
1863 Jan.	3 87		6 100	6 105	11 123	2 100	88 107	23 97
July	3 87		6 100	8 107	13 108	2 100	90 106	11 104
1864 Jan.	3 87		13 108	16 116	18 104	2 100	115 101	35 99
July	3 90		11 117	18 125	25 101	3 115	160 109	40 105
1865 Jan.	4 96		11 188	20 148	20 110	3 115	140 134	40 129
July	4 106		13 158	29 170	28 143	4 129	169 151	34 135
1866 Jan.	3 115		17 168	26 170	35 144	3 129	196 165	85 167
July	3 115		17 167	25 170	34 144	2 129	172 178	98 185
1867 Jan.	3 115		20 167	26 179	37 144	3 129	171 188	108 177
July	3 115		19 167	29 179	37 175	3 140	186 182	126 166
1868 Jan.	3 115		17 167	23 179	30 178	3 140	187 176	189 166
July	3 115		21 167	26 179	32 181	4 140	161 172	134 175
1869 Jan.	3 115		21 167	26 179	35 185	4 140	152 175	121 174
July	4 115		24 167	25 179	37 190	4 140	159 178	124 175
1870 Jan.	4 115		26 167	37 179	37 164	6 140	138 179	136 170
July	4 115		22 167	23 179	35 175	5 140	142 179	129 186
1871 Jan.	4 115		22 167	21 223	36 200	5 140	148 191	154 191
July	4 115		24 167	19 223	36 211	5 140	158 196	138 196
1872 Jan.	4 115		23 192	22 223	36 215	4 140	151 217	142 205
July	4 115		21 192	23 223	37 197	4 146	152 213	149 198
1873 Jan.	4 115		23 192	22 223	36 212	4 146	150 207	159 198
July	4 115		21 192	22 223	33 215	4 146	143 222	161 201
1874 Jan.	4 115		23 192	23 205	20 218	4 146	144 195	164 183
July	4 115		23 192	22 205	20 218	4 146	153 204	179 189
1875 Jan.	4 105		23 175	22 188	16 216	4 146	143 181	190 172
July	4 105		23 175	22 188	17 225	4 146	153 183	177 177
1876 Jan.	4 108		24 175	22 188	18 237	5 146	148 189	199 177
July	4 108		24 167	22 179	22 152	5 146	166 188	264 155
1877 Jan.	4 108		23 158	28 170	24 164	6 146	183 156	255 146
July	4 108		23 158	28 170	26 171	6 146	184 163	260 147
1878 Jan.	4 108		25 158	27 170	25 164	6 146	172 168	272 153
July	4 108		26 158	21 179	26 155	6 146	178 187	295 146
1879 Jan.	4 115		31 158	24 179	25 153	5 146	175 165	298 144
July	4 104		32 158	26 179	26 151	5 137	180 160	291 142
1880 Jan.	4 104		9 158	28 179	26 158	5 137	172 164	303 141
July	4 112		7 158	22 196	27 156	5 137	190 163	299 140

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	Ginghams—(Con.)				Groceries				Illuminating Gas			
No. of estab.	43				44				45			
State	Mass.				N. H.				Mass.			
Reference	891				893				896			
Occupation	Yard				Teamsters				Coal			
	Winders	Hands	Salesmen	Teamsters	Retortmen	Handlers	Firemen					
Sex	Female	Male	Male	Male	Male	Male	Male					
Base wages	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00					
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.		Rel.	Rel.	Rel.	Rel.
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages		No. wages	No. wages	No. wages	No. wages
1860 Jan.	103 100	10 100	2 100	1 100	2 100	3 100	4 100		3 100	7 100		
July	101 105	10 100	2 100	1 100	2 109	—	—		—	6 100		
1861 Jan.	99 107	10 100	2 100	1 100	2 109	4 100	7 100		4 100	6 100		
July	70 121	8 100	2 129	1 100	2 109	1 100	6 100		1 100	7 100		
1862 Jan.	61 121	6 100	2 157	1 133	2 109	2 100	12 100		2 100	12 100		
July	54 121	6 100	2 157	1 133	2 109	1 100	10 113		1 100	10 113		
1863 Jan.	43 121	6 100	2 186	1 133	2 109	2 100	14 113		2 100	14 113		
July	37 121	6 100	2 186	1 133	2 109	—	9 137		—	9 137		
1864 Jan.	44 121	8 100	2 186	1 133	2 116	5 143	14 137		5 143	14 137		
July	52 141	8 125	2 186	1 133	2 136	1 150	10 175		1 150	10 175		
1865 Jan.	49 143	10 150	2 186	1 133	2 138	1 150	15 175		1 150	15 175		
July	70 168	10 163	2 186	1 133	2 146	—	8 175		—	8 175		
1866 Jan.	82 175	12 163	2 186	1 133	3 138	2 150	11 175		2 150	11 175		
July	85 186	12 163	2 186	1 133	3 160	—	9 200		—	9 200		
1867 Jan.	83 182	11 163	2 186	1 133	3 160	4 175	15 200		4 175	15 200		
July	82 189	10 163	2 186	1 133	3 161	1 175	10 200		1 175	10 200		
1868 Jan.	77 191	12 163	2 186	1 133	3 163	—	14 200		—	14 200		
July	81 193	12 163	2 186	1 133	3 166	3 200	11 200		3 200	11 200		
1869 Jan.	85 193	14 163	2 186	1 133	3 172	3 200	19 200		3 200	19 200		
July	83 202	15 163	3 190	2 133	3 172	—	12 200		—	12 200		
1870 Jan.	86 191	15 163	3 162	2 133	4 172	4 200	15 200		4 200	15 200		
July	84 205	27 163	3 162	2 133	3 172	4 200	11 200		4 200	11 200		
1871 Jan.	85 227	14 163	3 162	2 133	3 172	5 200	18 200		5 200	18 200		
July	81 225	24 163	3 162	2 133	4 172	6 200	12 200		6 200	12 200		
1872 Jan.	86 221	13 163	3 162	2 133	4 168	6 200	23 200		6 200	23 200		
July	84 229	26 175	3 162	2 133	4 168	6 225	14 225		6 225	14 225		
1873 Jan.	86 241	12 175	3 162	2 133	4 172	4 225	24 225		4 225	24 225		
July	83 232	21 175	3 162	2 133	3 172	7 225	20 225		7 225	20 225		
1874 Jan.	92 221	15 175	3 162	2 133	4 172	3 200	30 225		3 200	30 225		
July	99 218	13 175	3 162	2 133	4 172	5 200	17 204		5 200	17 204		
1875 Jan.	98 200	8 165	3 181	2 133	4 172	8 200	26 203		8 200	26 203		
July	94 205	7 160	3 190	2 133	4 172	6 200	21 196		6 200	21 196		
1876 Jan.	104 179	7 160	3 181	2 133	4 172	4 183	21 197		4 183	21 197		
July	140 174	20 160	3 181	2 133	4 172	5 150	13 182		5 150	13 182		
1877 Jan.	137 171	10 160	3 181	2 133	4 172	3 150	18 178		3 150	18 178		
July	138 168	6 140	4 186	2 133	4 172	6 150	14 177		6 150	14 177		
1878 Jan.	143 171	5 140	4 186	2 133	4 172	7 150	9 178		7 150	9 178		
July	145 175	6 140	4 186	2 133	4 172	6 150	15 171		6 150	15 171		
1879 Jan.	137 171	7 140	4 186	2 133	4 172	6 150	16 171		6 150	16 171		
July	137 171	10 140	4 186	2 133	4 172	7 150	10 173		7 150	10 173		
1880 Jan.	141 175	12 120	4 186	2 133	5 165	8 150	14 167		8 150	14 167		
July	147 173	23 140	4 186	2 133	4 164	16 150	9 167		16 150	9 167		



TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	No. of estab.	Illuminating Gas—(Con.)						
		46	47					
State	Mass.	New York						
Reference	901	904	907	908	910	912	914	
Occupation	Laborers	Blacksmiths		Bricklayers		Carpenters	Engineers	
	Street	Blacksmiths	Helpers	Bricklayers	Helpers			
Sex	Male	Male	Male	Male	Male	Male	Male	
Base wages	\$1.00	\$1.965	\$1.125	\$2.105	\$1.835	\$1.75	\$2.165	
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860 Jan.	3 100	7 100	4 100	7 100	3 100	8 100	3 100	
July	12 100	8 98	3 111	26 97	4 103	8 100	3 100	
1861 Jan.	—	10 97	3 111	11 97	4 103	10 100	3 100	
July	8 100	10 97	6 100	15 97	5 101	9 100	3 100	
1862 Jan.	2 109	10 97	5 100	11 97	5 101	9 100	3 100	
July	6 100	9 97	6 100	4 101	4 102	8 100	3 100	
1863 Jan.	—	6 104	5 111	3 107	3 119	4 100	3 112	
July	5 110	6 140	5 156	2 131	4 131	4 143	3 123	
1864 Jan.	—	7 124	6 133	4 119	2 131	3 133	6 112	
July	8 125	6 140	5 156	1 119	3 131	4 143	3 123	
1865 Jan.	2 125	6 151	4 178	3 127	2 150	5 171	3 135	
July	4 125	6 151	5 178	7 143	6 150	5 171	3 139	
1866 Jan.	—	6 151	5 178	3 143	3 150	6 171	2 139	
July	4 150	6 153	5 178	9 160	5 150	8 182	2 162	
1867 Jan.	—	6 153	6 178	2 166	2 150	9 179	2 162	
July	3 150	6 163	5 200	3 190	3 150	5 194	2 162	
1868 Jan.	—	6 163	6 200	3 190	2 150	3 195	2 162	
July	23 171	5 158	4 200	4 190	3 150	4 207	2 162	
1869 Jan.	—	5 158	5 200	3 190	2 150	5 209	2 162	
July	12 167	5 158	5 200	7 217	2 150	8 207	2 162	
1870 Jan.	2 163	5 158	6 200	3 190	3 150	7 210	2 162	
July	10 170	5 158	6 200	3 190	2 150	7 210	2 162	
1871 Jan.	6 171	5 158	5 200	3 190	2 150	5 209	2 162	
July	13 175	5 158	6 200	3 190	2 150	5 209	2 162	
1872 Jan.	14 175	5 158	5 200	3 190	3 150	4 207	2 162	
July	15 200	5 183	5 222	3 214	3 169	5 226	2 185	
1873 Jan.	9 200	5 183	5 222	5 223	2 169	4 225	2 185	
July	7 200	7 182	6 222	3 214	5 161	4 229	2 185	
1874 Jan.	3 200	7 182	5 222	5 214	5 157	4 229	2 185	
July	6 175	7 182	6 222	3 214	3 162	4 229	2 185	
1875 Jan.	6 175	7 182	5 222	3 190	3 162	3 214	3 177	
July	21 150	7 182	5 222	4 184	4 159	4 211	3 177	
1876 Jan.	14 163	7 182	5 222	3 174	2 159	4 211	3 177	
July	3 147	7 182	5 222	2 166	2 159	5 194	3 177	
1877 Jan.	6 163	5 183	4 222	2 166	2 159	4 200	3 177	
July	11 125	5 183	4 222	3 158	2 159	4 200	3 177	
1878 Jan.	6 125	5 183	4 222	2 166	2 159	4 200	3 177	
July	7 125	5 148	4 200	3 127	2 150	4 161	3 154	
1879 Jan.	6 125	5 148	4 200	4 125	3 150	4 161	3 154	
July	3 125	4 134	4 178	1 131	1 150	4 143	3 131	
1880 Jan.	3 125	5 132	4 178	1 131	1 150	4 143	3 135	
July	2 125	5 132	4 178	3 131	3 112	4 157	3 135	

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Illuminating Gas—(Con.)									
No. of estab.		47					48				
State		New York					Ohio				
Reference		916	918	920	922	923	925	927			
Occupation		Firemen	Laborers	Painters	Pavers	Stablemen	Blacksmiths	Helpers			
Sex		Male	Male	Male	Male	Male	Male	Male			
Base wages		\$1.34	\$1.055	\$1.50	\$1.25	\$1.25	\$1.50	\$1.00			
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.			
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages			
1860	Jan.	80 100	219 100	1 100	3 100	3 100	1 100	1 100			
	July	80 100	208 98	1 100	6 100	3 100	1 100	1 100			
1861	Jan.	90 100	240 99	1 100	6 100	3 100	1 100	1 100			
	July	90 100	210 98	1 117	4 100	3 100	1 100	1 100			
1862	Jan.	90 100	220 99	1 117	3 100	3 100	1 100	1 100			
	July	60 100	190 97	1 117	4 100	3 100	3 111	1 115			
1863	Jan.	60 131	100 142	1 117	4 100	3 104	3 128	1 115			
	July	60 168	80 142	1 167	4 140	2 160	3 139	1 125			
1864	Jan.	80 149	90 142	1 150	1 120	3 140	3 172	1 175			
	July	80 168	60 142	1 167	3 140	1 160	3 178	1 200			
1865	Jan.	70 187	75 186	1 183	4 160	2 160	3 189	1 200			
	July	80 187	43 188	2 200	3 160	2 160	3 189	1 200			
1866	Jan.	80 187	65 188	2 200	2 160	2 160	3 217	1 200			
	July	60 187	55 173	1 217	2 160	2 160	3 217	1 200			
1867	Jan.	90 187	43 170	1 217	2 160	2 160	3 217	1 200			
	July	60 201	58 169	1 217	2 160	2 180	3 217	1 200			
1868	Jan.	80 201	73 168	1 217	2 160	1 180	3 217	1 200			
	July	50 201	65 184	1 233	3 200	1 180	3 217	1 200			
1869	Jan.	95 224	96 188	1 233	3 200	2 180	3 217	1 200			
	July	50 224	105 180	1 233	3 200	2 180	3 217	1 200			
1870	Jan.	90 224	93 188	1 233	3 200	2 180	3 217	1 200			
	July	60 224	66 187	1 233	3 200	2 180	3 217	1 200			
1871	Jan.	100 224	70 188	1 233	3 200	2 180	3 217	1 200			
	July	60 224	112 189	1 233	2 200	1 180	3 217	1 200			
1872	Jan.	110 224	75 179	1 233	2 200	2 180	3 217	1 200			
	July	50 298	114 189	2 258	2 220	2 210	3 217	1 200			
1873	Jan.	100 298	102 189	2 258	2 220	2 210	3 217	1 200			
	July	50 261	112 189	2 258	1 220	2 210	3 217	1 200			
1874	Jan.	110 261	102 189	2 258	1 220	2 210	3 217	1 200			
	July	50 261	112 189	2 258	1 220	2 210	3 217	1 200			
1875	Jan.	110 243	80 166	2 258	1 200	2 210	3 217	1 200			
	July	40 243	160 166	2 258	5 200	2 210	3 217	1 200			
1876	Jan.	80 243	90 166	2 250	2 200	2 210	3 217	1 200			
	July	25 224	80 142	3 233	1 200	2 210	3 189	1 175			
1877	Jan.	80 224	65 142	3 233	1 200	2 210	3 189	1 175			
	July	30 224	65 142	3 233	1 200	2 210	3 161	1 150			
1878	Jan.	50 224	70 142	3 233	1 200	2 210	3 161	1 150			
	July	30 205	55 118	3 189	1 160	2 200	3 161	1 150			
1879	Jan.	60 205	50 118	3 189	1 160	2 200	3 161	1 150			
	July	30 187	45 116	2 192	2 140	2 180	3 161	1 150			
1880	Jan.	55 187	53 117	2 192	3 140	2 180	3 161	1 150			
	July	25 205	45 132	2 192	5 140	2 180	3 161	1 150			

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	Illuminating Gas—(Concluded)					Leather	
No. of estab.	48					59	
State	Ohio					Mass.	
Reference	927	928	929	931	932	939	941
Occupation	Bricklayers	Carpenters	Firemen	Laborers	Watchmen	Blacksmiths	Cellar Hands
Sex	Male	Male	Male	Male	Male	Male	Male
Base wages	\$2.25	\$1.525	\$1.325	\$1.00	\$1.10	\$1.00	\$1.00
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	2 100	5 100	58 100	40 100	2 100	1 100	1 100
July	2 100	3 108	58 100	40 100	2 100	1 100	1 100
1861 Jan.	2 100	3 108	58 100	40 100	2 100	1 100	1 117
July	2 111	3 108	75 100	40 100	2 102	1 100	1 117
1862 Jan.	2 111	3 108	75 100	40 100	2 102	1 117	2 125
July	2 111	3 107	75 118	65 118	2 114	1 117	2 125
1863 Jan.	2 123	3 115	75 116	65 116	2 114	1 117	2 142
July	2 123	2 131	75 141	65 126	2 126	1 124	2 150
1864 Jan.	2 133	2 148	90 204	111 150	2 159	1 124	2 175
July	2 178	1 164	128 169	46 175	2 159	1 124	2 184
1865 Jan.	3 178	1 164	128 169	10 175	2 159	2 124	2 200
July	3 178	1 197	128 169	10 175	2 159	2 124	2 200
1866 Jan.	2 178	1 197	123 164	10 180	2 159	2 159	2 200
July	2 200	1 180	138 184	10 190	2 159	2 159	2 192
1867 Jan.	2 222	1 164	158 184	10 190	2 159	2 159	2 184
July	2 222	1 164	158 184	10 190	2 159	2 159	2 184
1868 Jan.	2 222	1 164	158 184	10 175	2 159	5 170	4 180
July	2 222	1 148	158 184	10 175	2 159	5 170	4 180
1869 Jan.	2 222	1 148	158 184	10 175	2 159	7 186	4 184
July	2 222	1 148	175 184	10 175	2 159	7 193	4 192
1870 Jan.	2 222	1 148	257 184	10 150	2 136	8 194	5 194
July	2 222	1 148	257 184	10 150	2 136	8 192	5 190
1871 Jan.	5 222	1 148	257 196	10 175	2 159	6 189	5 194
July	5 222	1 148	257 196	60 175	2 159	6 189	5 194
1872 Jan.	5 222	1 148	257 196	60 175	2 159	8 184	5 194
July	5 222	1 164	272 196	30 175	2 182	8 184	5 194
1873 Jan.	5 222	1 164	84 204	30 150	2 182	9 189	5 197
July	2 222	1 164	84 204	30 150	3 182	9 189	5 197
1874 Jan.	2 222	1 164	124 204	30 150	3 182	6 189	5 197
July	2 222	1 164	130 199	32 150	3 182	6 189	5 197
1875 Jan.	2 200	1 164	130 199	32 150	3 182	3 167	6 172
July	2 200	1 164	72 195	32 150	3 182	3 167	6 175
1876 Jan.	2 200	1 164	72 195	32 150	3 159	3 161	7 162
July	2 178	1 164	72 195	34 150	3 159	3 161	7 162
1877 Jan.	2 178	1 164	72 195	34 150	3 159	3 161	7 167
July	2 178	1 131	80 176	40 125	3 159	3 167	7 172
1878 Jan.	2 178	1 131	80 176	40 125	3 159	3 167	8 171
July	2 178	1 131	80 176	40 125	3 159	3 167	8 171
1879 Jan.	4 178	1 131	80 176	40 125	3 159	4 159	8 163
July	4 178	1 131	100 178	40 125	3 159	4 150	8 154
1880 Jan.	4 167	1 164	100 178	40 125	3 159	6 163	6 174
July	13 158	1 164	100 178	40 125	3 159	6 163	6 174

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	No. of estab.	Leather—(Con.)						
		50						
State		Mass.						
Reference		944	947	949	950	952	954	957
Occupation		Finishers	Flatteners	Glossers	Setters-Out	Splitters	Stuffers	Table Hands
Sex		Male	Male	Male	Male	Male	Male	Male
Base wages		\$1.195	\$1.165	\$1.165	\$1.165	\$1.50	\$1.085	\$1.055
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	6	100	1	100	1	100	1	100
July	6	100	1	100	1	100	2	100
1861 Jan.	6	109	1	115	1	115	1	122
July	6	118	1	129	1	115	1	122
1862 Jan.	6	128	1	129	1	129	1	133
July	6	137	1	143	1	143	1	133
1863 Jan.	6	144	1	158	1	143	1	144
July	6	146	1	158	1	172	1	144
1864 Jan.	9	141	1	172	2	143	1	186
July	9	143	1	172	2	143	1	186
1865 Jan.	10	157	1	186	2	143	1	186
July	10	160	1	186	2	150	1	186
1866 Jan.	7	144	3	162	2	150	1	172
July	7	146	3	158	2	158	1	172
1867 Jan.	6	149	4	154	2	150	1	158
July	6	149	4	154	2	150	1	158
1868 Jan.	10	149	4	164	3	158	1	158
July	10	152	4	164	3	158	1	158
1869 Jan.	8	152	4	158	3	167	1	158
July	8	157	4	161	3	167	1	158
1870 Jan.	8	164	4	164	3	172	1	143
July	8	164	4	164	3	172	1	143
1871 Jan.	7	163	4	164	3	172	2	143
July	7	163	4	164	3	172	2	143
1872 Jan.	6	163	3	167	4	164	2	143
July	6	163	3	167	4	164	2	143
1873 Jan.	9	161	3	172	8	164	2	158
July	9	161	3	172	8	166	2	158
1874 Jan.	10	163	4	172	8	167	2	158
July	10	162	4	172	8	167	2	158
1875 Jan.	7	149	4	176	8	154	2	158
July	7	149	4	176	8	154	2	158
1876 Jan.	8	146	5	163	4	161	2	136
July	8	146	5	163	4	161	2	143
1877 Jan.	9	152	5	160	3	162	2	143
July	9	152	5	169	3	162	2	143
1878 Jan.	8	155	5	172	3	167	2	132
July	9	152	5	172	3	167	2	132
1879 Jan.	9	146	5	147	3	143	2	125
July	9	140	5	145	3	138	2	118
1880 Jan.	9	144	7	143	4	139	2	118
July	9	144	7	143	4	139	2	118

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	No. of estab.	State	Reference	Occupation	Sex	Base wages	Leather—(Con.)					
							51					
		Mass.	958				Mass.					
							961	962	964	966	967	968
							Bark	Beamsters	Leach	Liners	Shavers	Yard
							Grinders		Tenders			Hands
							Male	Male	Male	Male	Male	Male
							\$1.50	\$1.50	\$1.50	\$1.50	\$2.50	\$1.165
							Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
							No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860	Jan.	5	100				2 100	5 100	1 100	1 100	2 100	13 100
	July	5	100				2 100	5 100	1 100	1 100	2 100	13 100
1861	Jan.	5	118				2 111	5 111	1 100	1 111	2 100	13 120
	July	5	116				2 111	5 111	1 100	1 111	1 100	13 129
1862	Jan.	4	133				2 111	5 129	1 122	1 111	1 100	9 130
	July	4	141				2 111	5 129	1 122	1 111	1 100	9 130
1863	Jan.	3	150				2 128	5 140	1 122	1 122	1 100	9 133
	July	3	161				2 128	5 140	1 122	1 122	1 100	9 133
1864	Jan.	2	185				2 144	4 144	2 144	1 144	1 120	8 173
	July	2	201				2 144	4 144	2 144	1 144	1 120	8 173
1865	Jan.	3	188				2 144	4 144	2 144	1 144	1 120	8 182
	July	3	188				2 144	4 144	2 144	1 144	1 120	8 182
1866	Jan.	3	177				2 144	4 144	2 139	1 144	1 120	7 186
	July	2	169				2 144	4 144	2 139	1 144	1 120	7 186
1867	Jan.	2	169				2 139	4 133	2 139	1 139	1 113	7 176
	July	2	169				2 139	4 133	2 139	1 139	1 113	7 176
1868	Jan.	2	161				2 139	4 133	2 139	1 139	1 113	7 172
	July	2	161				2 139	4 133	2 139	1 139	1 113	7 172
1869	Jan.	3	171				2 139	4 133	2 139	1 139	1 106	7 172
	July	3	171				2 139	5 131	2 139	1 139	1 106	7 172
1870	Jan.	3	193				2 122	12 122	2 122	2 117	4 112	14 158
	July	3	183				2 122	12 122	2 122	2 117	4 112	14 158
1871	Jan.	3	198				4 120	12 119	3 133	1 111	3 109	6 141
	July	3	198				4 120	12 119	3 133	1 111	3 109	6 141
1872	Jan.	3	198				4 120	12 120	3 133	1 111	3 120	6 153
	July	3	198				4 120	12 120	3 133	1 111	3 120	6 153
1873	Jan.	3	198				4 122	12 122	3 122	1 111	3 120	6 164
	July	3	198				4 122	12 122	3 122	1 111	3 120	6 164
1874	Jan.	3	198				4 117	12 112	3 118	1 111	3 113	6 145
	July	3	198				4 100	12 99	3 104	1 111	3 113	6 133
1875	Jan.	3	193				4 97	12 98	3 104	1 100	3 113	6 129
	July	3	193				4 94	12 92	3 100	1 100	3 113	6 119
1876	Jan.	4	177				3 96	11 90	3 115	1 100	3 113	7 116
	July	4	177				3 96	11 90	3 119	1 100	3 113	7 121
1877	Jan.	4	177				2 100	5 100	4 97	1 100	3 106	12 121
	July	4	181				2 100	5 100	4 97	1 100	3 106	12 121
1878	Jan.	5	177				2 106	5 102	4 97	1 111	4 93	12 121
	July	5	175				2 106	5 102	4 97	1 111	4 93	12 121
1879	Jan.	7	162				2 89	5 93	4 86	1 111	4 93	10 110
	July	7	151				2 94	5 98	4 89	1 111	4 100	10 116
1880	Jan.	8	158				2 100	5 100	4 92	1 111	4 113	9 121
	July	8	158				2 100	5 104	4 97	1 111	4 113	9 126

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	No. of estab.	Lumber				Metals & Metallic Goods		
		52		53		54		
State		N. H.		New York		Conn.		
Reference		970	971	974	976	980	983	984
Occupation		Laborers	Lumbermen	Salesmen	Teamsters	Yard Hands	Blacksmiths	Blacksmiths Helpers
Sex		Male	Male	Male	Male	Male	Male	Male
Base wages		\$ .385	\$ .505	\$ 1.50	\$ 1.125	\$ 1.04	\$ 2.25	\$ 1.375
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	4	100	19	100	1	100	2	100
July	4	100	16	104	1	100	11	104
1861 Jan.	3	100	23	99	1	100	14	104
July	3	100	24	100	2	92	8	99
1862 Jan.	2	119	17	130	2	92	12	101
July	3	119	16	126	2	94	11	106
1863 Jan.	2	160	12	182	2	98	11	105
July	2	160	11	186	4	101	10	119
1864 Jan.	2	179	14	189	3	115	3	117
July	1	179	16	194	3	120	11	131
1865 Jan.	2	179	15	202	3	139	2	111
July	2	179	23	201	3	139	2	111
1866 Jan.	2	179	21	202	3	139	2	122
July	3	179	19	208	3	139	2	122
1867 Jan.	3	179	22	207	3	139	2	122
July	3	179	18	202	2	150	2	122
1868 Jan.	3	179	16	209	2	150	2	133
July	3	179	15	202	1	150	2	133
1869 Jan.	3	179	19	212	2	150	2	133
July	3	179	19	212	3	144	3	141
1870 Jan.	3	179	14	211	3	156	3	141
July	2	179	19	208	3	156	3	141
1871 Jan.	2	179	17	205	3	156	3	141
July	2	179	19	204	2	167	3	148
1872 Jan.	2	179	21	202	2	167	3	156
July	2	179	15	202	2	174	3	156
1873 Jan.	3	179	16	209	2	182	3	156
July	3	179	17	214	2	182	3	156
1874 Jan.	1	179	18	219	2	182	3	156
July	2	179	13	210	4	166	3	156
1875 Jan.	2	179	14	201	3	171	2	144
July	1	179	12	202	3	171	2	144
1876 Jan.	2	179	14	206	3	171	2	144
July	2	179	18	202	3	171	2	144
1877 Jan.	2	179	15	202	2	182	2	144
July	2	179	14	189	2	182	2	144
1878 Jan.	2	179	18	211	2	182	3	141
July	2	179	13	210	2	182	2	133
1879 Jan.	2	179	10	213	2	182	1	133
July	2	179	14	201	2	182	2	133
1880 Jan.	2	179	11	207	2	182	2	133
July	2	179	11	200	2	182	3	133

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

## Metal and Metallic Goods—(Con.)

Year	Month	Conn.											
		988			989			990			991		
		Boilermakers		Helpers		Engineers		Boilermakers		Machinists		Moulders	
		Male		Male		Male		Male		Male		Male	
		Rate	Rel.	Rate	Rel.	Rate	Rel.	Rate	Rel.	Rate	Rel.	Rate	Rel.
		\$1.77	100	\$1.15	100	\$1.50	100	\$8.00	100	\$3.885	100	\$2.975	100
			No. wages		No. wages		No. wages		No. wages		No. wages		No. wages
			5		1		1		1		1		12
			100		100		100		100		100		100
			5		102		100		100		100		104
			100		100		100		100		100		104
			2		109		100		100		100		9
			102		101		100		100		100		104
			6		108		100		100		100		104
			97		109		100		100		100		104
			98		109		100		100		100		104
			98		100		100		100		100		104
			96		106		—		117		100		122
			103		127		9		117		125		122
			111		144		12		143		157		157
			129		141		8		145		167		157
			149		138		6		145		167		157
			144		186		6		152		167		139
			145		149		6		150		167		189
			154		148		8		156		167		157
			161		184		8		110		167		157
			153		180		6		114		167		—
			159		189		8		101		167		157
			156		141		5		120		167		174
			159		142		8		154		183		174
			153		137		2		159		183		174
			152		135		1		152		183		157
			155		139		1		152		183		157
			156		141		—		—		183		157
			146		138		1		152		183		157
			148		141		2		130		183		157
			157		137		—		—		183		157
			160		147		1		163		183		157
			160		152		—		—		183		157
			156		151		—		—		183		157
			158		151		—		—		183		157
			146		134		—		—		183		157
			147		141		—		—		183		157
			145		—		—		—		183		157
			143		155		1		152		183		157
			142		152		—		—		183		157
			136		144		11		134		183		157
			130		141		1		130		183		157
			134		134		1		109		183		157
			131		129		2		109		183		157
			132		127		1		120		183		157

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Metal and Metallic Goods—(Con.)						
No. of estab.		54			55			
State		Conn.			Conn.			
Reference		997	1000	1004	1006	1009	1010	1012
Occupation	Machinists'	Moulders'		Pattern-	Blacksmiths			
Sex	Helpers	Moulders	Helpers	makers	Blacksmiths	Helpers	Boilermakers	
	Female	Male	Male	Male	Male	Male	Male	
Base wages	\$1.16	\$1.625	\$1.215	\$1.75	\$1.895 <sup>1</sup>	\$1.00 <sup>1</sup>	\$1.555 <sup>1</sup>	
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860 Jan.	6 100	1 100	7 100	2 100	— —	— —	— —	—
July	4 104	2 112	10 100	1 100	— —	— —	— —	—
1861 Jan.	7 126	1 123	9 100	2 86	— —	— —	— —	—
July	16 110	2 112	8 102	3 105	— —	— —	— —	—
1862 Jan.	26 109	1 123	7 109	2 100	8 93	9 109	21 108	
July	13 110	1 123	7 112	1 100	6 96	6 111	19 106	
1863 Jan.	4 125	2 119	6 108	4 89	10 96	11 113	15 121	
July	1 97	5 126	5 103	3 102	8 108	20 125	26 129	
1864 Jan.	7 129	3 126	11 109	2 111	7 118	15 132	42 138	
July	4 130	4 152	7 134	2 136	7 132	13 147	47 163	
1865 Jan.	5 134	4 152	9 142	4 138	6 136	11 148	45 172	
July	2 122	4 152	7 123	3 159	6 136	13 146	45 170	
1866 Jan.	7 123	10 147	10 120	3 171	6 132	10 147	26 173	
July	7 137	15 168	8 130	4 152	7 145	14 151	33 178	
1867 Jan.	5 140	11 158	4 134	2 186	5 148	7 152	37 178	
July	7 149	14 154	5 130	2 186	8 142	11 158	31 182	
1868 Jan.	2 147	9 156	2 123	1 200	3 150	3 160	19 171	
July	3 134	9 156	3 123	2 200	4 152	5 160	18 167	
1869 Jan.	2 142	10 165	3 130	1 200	3 154	4 165	16 174	
July	4 119	23 161	2 110	2 207	4 155	5 175	17 170	
1870 Jan.	5 130	19 162	2 110	3 186	3 141	4 175	6 177	
July	1 94	25 163	2 130	3 200	4 158	4 175	19 164	
1871 Jan.	4 122	15 158	3 114	3 209	3 158	4 175	8 159	
July	2 122	20 160	8 114	5 191	3 158	5 175	8 171	
1872 Jan.	— —	16 165	3 130	2 200	— —	— —	16 160	
July	— —	15 163	1 137	1 229	— —	— —	29 167	
1873 Jan.	1 94	12 159	1 137	2 200	— —	— —	15 176	
July	2 94	10 159	2 137	3 186	— —	— —	13 163	
1874 Jan.	3 106	9 160	3 109	2 207	— —	— —	12 160	
July	2 112	9 160	2 123	1 243	— —	— —	41 164	
1875 Jan.	2 137	8 158	2 130	1 243	— —	— —	8 165	
July	1 151	8 155	1 137	2 179	— —	— —	7 158	
1876 Jan.	2 140	10 154	2 130	2 179	— —	— —	8 161	
July	1 94	9 153	1 137	2 179	— —	— —	10 147	
1877 Jan.	5 122	8 151	4 112	2 179	— —	— —	10 138	
July	3 137	7 147	4 123	3 186	— —	— —	7 140	
1878 Jan.	5 142	10 149	7 120	4 161	— —	— —	6 145	
July	5 135	4 134	6 119	3 167	— —	— —	4 113	
1879 Jan.	4 117	5 135	5 119	3 138	— —	— —	5 119	
July	8 98	8 133	12 112	3 133	— —	— —	10 124	
1880 Jan.	13 116	6 141	6 117	4 121	— —	— —	9 127	
July	12 117	6 128	4 113	4 129	— —	— —	9 131	

<sup>1</sup> Jan., 1859.



TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

		Metals and Metallic Goods—(Con.)									
		55					56				
		Conn.					Conn.				
		1916	1920	1923	1924	1925	1926	1927			
		Patternmakers'	Machinists	Pattern-	Pattern-	Pattern-	Pattern-	Pattern-			
		Helpers	Machinists	Helpers	makers	Helpers	makers	Helpers	Blacksmiths	Engineers	
		Male	Male	Male	Male	Male	Male	Male	Male	Male	
		\$1.005 <sup>1</sup>	\$1.645 <sup>1</sup>	\$1.135 <sup>1</sup>	\$1.675 <sup>1</sup>	\$1.00 <sup>1</sup>	\$1.75	\$1.165			
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
		wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
		—	—	—	—	—	—	1	100	1	100
		—	—	—	—	—	—	1	100	1	100
		—	—	—	—	—	—	1	100	1	100
		—	—	—	—	—	—	1	100	1	107
		6	114	65	108	20	99	—	—	1	114
		5	115	62	109	23	101	14	110	—	—
		10	117	58	122	25	110	14	110	—	—
		39	126	86	126	37	111	16	117	2	76
		46	131	69	141	31	115	18	129	2	75
		60	141	65	158	41	121	17	140	2	100
		59	144	52	171	31	127	11	147	2	180
		48	147	51	168	33	126	8	150	1	150
		24	150	49	179	21	130	10	161	2	150
		32	147	79	176	29	136	9	173	2	165
		30	150	57	180	36	139	8	177	2	165
		21	153	52	181	23	141	8	183	2	200
		5	133	27	163	10	148	8	177	1	200
		10	146	24	138	15	143	8	181	1	225
		13	151	30	174	11	144	8	177	1	225
		15	166	37	179	13	152	7	192	—	—
		3	174	31	179	7	153	7	192	—	—
		14	172	28	174	8	157	4	201	—	—
		4	159	19	178	6	157	4	201	—	—
		—	—	16	179	5	153	3	204	—	—
		8	171	—	—	—	—	—	—	—	—
		11	155	19	162	6	143	3	201	—	—
		5	144	14	171	—	—	4	187	—	—
		5	154	—	—	—	—	—	—	—	—
		7	174	—	—	—	—	—	—	—	—
		13	163	—	—	—	—	—	—	—	—
		—	—	—	—	—	—	—	—	—	—
		—	—	—	—	—	—	—	—	—	—
		2	132	—	—	—	—	—	—	—	—
		3	166	—	—	—	—	—	—	—	—
		4	131	—	—	—	—	—	—	—	—
		1	124	—	—	—	—	—	—	—	—
		2	149	—	—	—	—	—	—	—	—
		3	128	—	—	—	—	—	—	—	—
		2	124	—	—	—	—	—	—	—	—
		4	114	—	—	—	—	—	—	—	—
		4	118	—	—	—	—	—	—	—	—
		2	137	—	—	—	—	—	—	—	—

<sup>1</sup> Jan., 1859.

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Metals and Metallic Goods—(Con.)									
No. of estab.		56									
State		Conn.									
Reference		1028	1029	1032	1036	1038	1043	1047			
Occupation		Foremen	Foremen		Machinists'	Machinists'		Moulders'			
		Machinists	Moulders	Machinists	Apprentices	Helpers	Moulders	Apprentices			
Sex		Male	Male	Male	Male	Male	Male	Male			
Base wages		\$4.79	\$2.49	\$1.715	\$1.615	\$1.04	\$1.53	\$1.55			
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.			
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860	Jan.	1 100	1 100	12 100	5 100	4 100	12 100	2 100	1 100	1 100	1 100
	July	1 100	1 100	12 102	5 102	4 106	9 101	1 109	1 100	1 100	1 100
1861	Jan.	1 100	1 100	8 98	7 101	4 105	11 102	2 115	1 100	1 100	1 100
	July	1 100	1 120	10 99	8 109	6 104	15 101	2 119	1 100	1 100	1 100
1862	Jan.	1 100	1 120	19 99	9 107	11 106	12 104	2 119	1 100	1 100	1 100
	July	1 100	1 120	14 105	9 109	9 109	12 104	2 125	1 100	1 100	1 100
1863	Jan.	—	1 120	9 106	6 96	9 109	9 105	1 121	—	—	—
	July	—	1 128	5 110	4 102	5 117	12 112	1 182	—	—	—
1864	Jan.	—	1 128	7 119	4 103	5 127	18 113	1 205	—	—	—
	July	1 68	1 192	12 119	8 106	6 135	25 126	1 145	—	—	—
1865	Jan.	—	1 192	12 127	11 129	6 141	14 145	1 155	—	—	—
	July	1 67	1 192	12 137	12 140	10 150	18 149	—	—	—	—
1866	Jan.	2 101	1 192	27 143	13 145	8 142	17 141	1 182	—	—	—
	July	2 100	1 257	23 149	12 154	12 149	23 146	1 182	—	—	—
1867	Jan.	2 100	1 257	26 148	8 150	14 149	23 143	3 170	—	—	—
	July	2 117	1 257	15 143	7 144	8 141	17 156	3 175	—	—	—
1868	Jan.	2 117	1 257	11 146	8 151	4 148	15 150	2 182	—	—	—
	July	2 117	1 257	19 143	7 159	6 155	14 149	2 182	—	—	—
1869	Jan.	2 117	1 257	15 145	6 172	8 159	15 151	4 175	—	—	—
	July	2 117	1 257	16 154	6 176	4 164	32 143	1 136	—	—	—
1870	Jan.	2 117	1 257	13 166	5 175	3 165	23 154	—	—	—	—
	July	2 117	1 257	12 160	6 161	3 165	25 163	—	—	—	—
1871	Jan.	2 117	1 257	9 169	3 155	3 165	25 169	1 164	—	—	—
	July	2 117	1 257	10 160	3 163	6 164	43 153	2 164	—	—	—
1872	Jan.	2 117	1 257	16 163	2 154	5 165	45 157	4 168	—	—	—
	July	2 127	1 257	28 162	2 154	5 170	39 168	5 165	—	—	—
1873	Jan.	1 120	1 257	14 170	4 154	4 173	29 165	1 227	—	—	—
	July	2 110	1 257	7 169	1 179	4 172	33 169	4 182	—	—	—
1874	Jan.	2 110	1 257	7 185	—	3 176	17 170	4 194	—	—	—
	July	2 110	1 257	5 184	—	4 174	20 168	2 191	—	—	—
1875	Jan.	2 110	1 257	5 184	1 146	4 174	20 169	2 200	—	—	—
	July	2 105	1 257	5 165	1 163	3 159	29 150	2 200	—	—	—
1876	Jan.	2 105	1 257	6 157	2 163	4 155	26 149	—	—	—	—
	July	2 94	1 231	5 147	2 171	3 141	18 137	1 164	—	—	—
1877	Jan.	2 94	1 231	4 137	2 171	3 140	18 136	1 182	—	—	—
	July	2 84	1 208	2 128	2 171	3 125	15 123	1 182	—	—	—
1878	Jan.	2 84	1 208	5 120	2 179	3 125	16 126	1 200	—	—	—
	July	2 84	1 208	3 125	2 179	3 125	18 122	1 200	—	—	—
1879	Jan.	2 79	1 185	3 119	1 163	3 125	14 124	—	—	—	—
	July	2 79	1 185	3 119	1 163	2 125	17 122	1 121	—	—	—
1880	Jan.	2 79	1 185	6 125	1 189	4 130	17 126	4 128	—	—	—
	July	2 79	1 185	8 128	4 157	4 128	19 129	7 141	—	—	—

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Metals and Metallic Goods—(Con.)							
No. of estab.		56				57			
State		Conn.				Md.			
Reference		1050	1054	1057	1059	1061	1063	1066	
Occupation		Moulders'	Pattern-	Blacksmiths'		Boilermakers	Laborers	Machinists	
		Helpers	makers	Helpers	Helpers				
Sex		Male	Male	Male	Male	Male	Male	Male	
Base wages		\$1.075	\$1.875	\$1.565	\$1.00	\$2.085	\$.92	\$1.645	
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860	Jan.	14 100	2 100	8 100	8 100	2 100	4 100	16 100	
	July	13 100	2 100	8 103	10 100	4 86	4 100	20 100	
1861	Jan.	11 97	2 100	8 99	8 100	1 120	4 100	12 103	
	July	13 95	2 100	2 96	6 96	1 72	5 82	8 94	
1862	Jan.	16 95	2 100	4 95	5 97	2 88	4 82	9 98	
	July	13 95	2 100	4 95	8 92	2 94	4 90	12 102	
1863	Jan.	11 98	2 100	6 109	6 100	6 87	8 109	22 112	
	July	13 110	2 100	6 117	6 125	8 92	8 125	27 116	
1864	Jan.	18 110	2 109	7 135	10 135	13 107	10 134	24 125	
	July	21 125	2 120	8 170	13 147	8 106	8 156	20 157	
1865	Jan.	17 132	2 140	7 176	13 159	15 136	14 162	28 164	
	July	13 130	2 140	6 173	8 165	11 138	16 172	22 167	
1866	Jan.	14 132	3 142	6 184	8 173	12 139	14 176	47 169	
	July	12 138	3 142	8 178	7 172	7 120	12 174	28 169	
1867	Jan.	13 135	2 160	7 166	7 177	6 130	11 174	27 169	
	July	12 134	3 165	7 166	6 173	3 141	11 174	18 171	
1868	Jan.	9 136	3 165	4 168	5 174	5 137	8 174	20 171	
	July	14 137	3 169	5 166	5 167	6 130	13 174	22 168	
1869	Jan.	15 139	3 169	4 168	6 178	5 125	8 171	18 172	
	July	21 145	3 173	6 165	6 178	4 121	8 171	23 162	
1870	Jan.	21 151	3 182	6 165	6 178	11 113	8 171	32 155	
	July	26 152	3 173	6 162	5 172	8 114	9 170	31 158	
1871	Jan.	32 151	3 173	4 160	4 177	7 115	8 170	28 160	
	July	30 150	3 160	4 164	5 177	8 116	10 167	31 159	
1872	Jan.	32 153	4 177	6 162	6 173	9 119	9 168	32 159	
	July	47 155	4 190	5 166	4 171	7 120	14 166	20 162	
1873	Jan.	22 155	3 182	4 172	4 171	2 152	9 168	27 161	
	July	38 157	3 187	4 172	4 171	2 152	9 168	24 161	
1874	Jan.	18 160	3 187	4 172	4 171	2 152	8 168	24 161	
	July	21 161	3 182	4 172	4 171	2 152	8 168	23 163	
1875	Jan.	23 160	2 187	3 154	4 157	3 128	7 145	19 155	
	July	35 143	7 146	3 154	4 157	3 128	7 145	19 155	
1876	Jan.	18 147	5 153	3 154	3 150	2 138	9 138	22 153	
	July	19 134	2 163	3 138	2 150	2 138	11 129	14 150	
1877	Jan.	18 133	2 163	3 138	2 150	3 112	10 119	16 141	
	July	16 114	2 145	3 138	2 150	3 112	12 117	16 141	
1878	Jan.	15 117	2 145	2 136	2 150	3 112	9 116	15 141	
	July	14 116	2 145	2 136	2 150	3 112	9 116	15 141	
1879	Jan.	12 119	1 144	3 133	3 150	3 112	8 113	14 141	
	July	17 114	3 123	3 133	3 150	3 112	8 113	15 140	
1880	Jan.	24 116	2 132	3 133	3 150	4 108	8 111	13 145	
	July	24 120	2 132	5 141	2 156	3 128	10 122	17 158	

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Metals and Metallic Goods—(Con.)							
No. of estab.		57				58			
State		Md.				Mass.			
Reference		1069	1071	1073	1076	1077	1079	1082	
Occupation		Moulders	Painters	Pattern-makers	Teamsters	Foremen Furnacemen	Foremen Machinists	Furnacemen	
Sex		Male	Male	Male	Male	Male	Male	Male	
Base wages		\$1.87	\$1.565	\$1.62	\$.97	\$3.00	\$2.68	\$1.445	
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860	Jan.	5 100	8 100	17 100	4 100	1 100	7 100	2 100	
	July	5 100	3 99	11 102	3 102	1 100	8 101	1 100	
1861	Jan.	4 103	1 107	7 106	4 100	1 100	6 104	1 100	
	July	2 94	1 75	4 89	4 87	1 100	7 105	3 91	
1862	Jan.	1 107	1 75	3 99	2 84	1 100	9 106	4 90	
	July	5 98	1 75	6 98	2 94	1 100	11 102	3 94	
1863	Jan.	4 103	1 107	11 104	2 116	1 100	10 97	1 100	
	July	6 103	4 109	11 116	3 122	1 100	14 101	6 110	
1864	Jan.	6 114	1 96	17 119	3 131	1 100	6 117	4 97	
	July	18 120	—	15 139	2 155	1 117	7 117	18 94	
1865	Jan.	9 135	1 144	12 153	4 159	1 117	12 127	6 92	
	July	5 136	1 160	12 161	4 169	1 100	12 128	2 99	
1866	Jan.	15 141	1 160	10 177	4 169	1 100	10 127	2 102	
	July	10 141	3 170	9 181	4 169	1 100	5 147	2 121	
1867	Jan.	12 140	2 160	12 172	4 169	1 117	6 145	3 114	
	July	8 140	1 160	9 175	4 169	1 117	9 155	2 111	
1868	Jan.	7 141	1 160	8 176	4 169	1 117	10 153	2 111	
	July	7 141	1 160	10 171	4 169	1 117	8 154	1 121	
1869	Jan.	7 143	1 160	12 181	4 169	1 117	8 151	1 121	
	July	6 143	1 160	12 171	4 169	1 117	7 146	1 121	
1870	Jan.	8 141	1 160	13 181	4 169	1 117	5 144	3 118	
	July	5 146	1 160	11 184	4 169	1 117	3 144	1 121	
1871	Jan.	4 149	1 160	10 184	4 169	1 117	3 144	1 121	
	July	7 143	1 160	9 185	4 169	1 117	4 145	3 118	
1872	Jan.	10 142	1 160	9 185	4 169	1 117	4 154	3 118	
	July	8 143	1 160	9 171	4 169	1 117	4 145	5 119	
1873	Jan.	8 143	1 160	8 176	1 180	3 106	6 148	6 119	
	July	8 143	1 160	8 177	1 180	3 106	6 151	5 121	
1874	Jan.	8 143	1 160	8 174	1 180	1 108	5 154	5 110	
	July	8 143	1 160	8 177	1 180	1 117	6 154	6 110	
1875	Jan.	7 132	1 144	8 177	4 137	1 117	4 156	7 110	
	July	7 132	1 128	8 177	4 137	1 117	3 179	5 110	
1876	Jan.	10 128	—	12 166	4 137	1 100	5 167	8 126	
	July	10 119	—	9 158	2 137	—	5 162	8 125	
1877	Jan.	10 115	—	12 156	2 137	1 100	4 165	9 123	
	July	10 115	—	11 153	2 137	1 100	4 165	5 125	
1878	Jan.	9 116	—	9 160	2 137	1 100	4 165	7 126	
	July	9 116	1 112	9 160	2 137	1 100	6 148	7 126	
1879	Jan.	10 116	—	5 157	2 137	1 100	4 171	5 126	
	July	11 117	—	5 157	2 137	—	1 238	4 127	
1880	Jan.	13 117	1 112	7 154	2 137	—	—	7 126	
	July	12 123	1 112	10 156	2 137	1 100	2 194	12 126	

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Metals and Metallic Goods—(Con.)											
No. of estab.		58											
State		Mass.											
Reference		1086	1098	1100	1107	1118	1114	1114					
Occupation		Laborers		Machinists		Helpers		Moulders, Iron		Teamsters with Teams		Laborers	
Sex		Male		Male		Male		Male		Male		Male	
Base wages		\$.89		\$1.72		\$1.28		\$1.56		\$.94		\$2.50	
		Rel.		Rel.		Rel.		Rel.		Rel.		Rel.	
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860	Jan.	30	100	42	100	9	100	19	100	5	100	1	100
	July	38	102	74	98	14	97	25	102	8	109	1	100
1861	Jan.	40	101	81	100	21	100	23	102	5	106	1	100
	July	88	98	114	97	38	98	58	100	10	104	—	2
1862	Jan.	60	99	110	100	18	100	38	101	8	108	1	100
	July	36	103	81	102	14	98	27	102	10	109	1	100
1863	Jan.	42	104	78	108	10	100	15	105	9	112	1	100
	July	27	105	70	103	32	93	24	110	12	121	1	100
1864	Jan.	30	110	112	120	53	99	21	120	7	124	1	100
	July	9	122	106	125	42	109	20	120	8	139	1	100
1865	Jan.	14	143	78	136	30	112	24	141	8	146	1	100
	July	22	153	77	137	20	117	23	147	10	158	1	100
1866	Jan.	28	153	86	141	26	121	25	153	5	160	1	100
	July	40	152	98	146	24	121	26	155	9	156	1	100
1867	Jan.	42	154	113	148	31	119	27	156	6	160	1	100
	July	40	159	103	149	26	119	27	159	7	163	1	100
1868	Jan.	34	167	94	148	25	120	23	158	6	164	1	100
	July	51	156	85	144	17	117	24	147	5	165	1	100
1869	Jan.	50	151	84	146	17	120	20	155	5	165	—	2
	July	35	157	99	149	20	121	18	156	—	—	—	2
1870	Jan.	30	160	75	153	16	119	19	157	—	—	—	2
	July	38	154	67	147	7	117	15	155	—	—	—	2
1871	Jan.	39	157	62	150	13	122	18	156	—	—	—	2
	July	24	166	58	154	12	120	23	152	—	—	—	2
1872	Jan.	33	155	75	155	18	119	26	157	—	—	—	2
	July	50	153	82	156	16	117	29	157	—	—	—	2
1873	Jan.	35	157	75	157	19	117	23	155	—	—	—	2
	July	34	159	62	158	21	117	20	159	—	—	—	2
1874	Jan.	52	149	69	143	14	121	26	147	—	—	—	2
	July	51	151	48	144	3	117	20	142	—	—	—	2
1875	Jan.	61	149	59	147	3	117	20	142	—	—	—	2
	July	44	144	46	144	3	117	17	143	—	—	—	2
1876	Jan.	44	145	50	144	3	136	9	138	—	—	1	80
	July	31	139	25	135	3	148	5	137	1	166	2	100
1877	Jan.	24	145	28	133	1	148	6	140	1	160	1	80
	July	23	146	34	132	3	138	5	138	—	—	—	2
1878	Jan.	33	137	35	137	4	125	4	138	—	—	—	2
	July	59	130	46	134	7	121	5	114	1	160	1	80
1879	Jan.	24	139	34	138	6	128	4	140	1	160	1	80
	July	30	127	44	130	8	130	5	135	1	160	1	80
1880	Jan.	49	121	22	127	16	129	9	134	1	160	1	80
	July	132	115	101	136	19	128	13	135	2	161	1	80

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Metals and Metallic Goods—(Con.)											
No. of estab.		59				60				61			
State		Mass.				Mass.				Mass.			
Reference		1115		1115		1116		1117		1117		1118	
Occupation		Machinists		Pattern-makers		Laborers		Machinists		Pattern-makers		Watchmen	
Sex		Male		Male		Male		Male		Male		Male	
Base wages		\$1.50		\$1.75		\$1.25		\$1.665		\$2.00		\$1.50	
		Rel.		Rel.		Rel.		Rel.		Rel.		Rel.	
		No. wages		No. wages		No. wages		No. wages		No. wages		No. wages	
1860	Jan.	17	100	1	100	9	100	75	100	3	100	1	100
	July	17	100	1	100	13	100	73	100	3	100	1	88
1861	Jan.	17	100	1	100	12	120	72	108	3	105	1	120
	July	17	100	1	100	10	120	72	120	3	105	1	120
1862	Jan.	17	100	1	100	16	120	65	132	3	113	1	120
	July	17	100	1	100	16	120	75	132	3	113	1	120
1863	Jan.	22	100	1	100	18	140	65	180	3	125	1	120
	July	22	113	1	100	14	140	60	180	3	150	1	120
1864	Jan.	25	120	1	114	14	140	54	165	3	150	1	120
	July	25	153	1	137	12	140	52	165	3	150	1	140
1865	Jan.	25	150	1	137	12	128	62	180	3	175	1	140
	July	25	150	1	137	10	140	59	180	3	175	1	160
1866	Jan.	26	157	1	143	14	160	91	180	4	175	1	160
	July	26	167	1	143	15	160	82	180	4	175	1	160
1867	Jan.	26	167	1	143	11	140	85	180	4	175	1	160
	July	26	167	1	143	10	140	74	180	4	175	1	160
1868	Jan.	26	167	1	143	9	140	87	180	5	175	1	160
	July	26	167	1	143	13	140	92	180	5	175	1	176
1869	Jan.	27	167	1	143	16	144	95	180	5	160	1	180
	July	15	167	1	157	14	140	104	180	6	160	1	180
1870	Jan.	26	167	1	163	13	140	102	180	6	150	1	180
	July	20	167	1	157	15	144	97	180	6	150	1	180
1871	Jan.	20	167	1	143	11	160	89	180	6	150	1	180
	July	17	167	1	171	12	144	105	180	7	150	1	180
1872	Jan.	17	167	1	171	12	144	109	180	7	150	1	180
	July	20	157	1	171	12	144	108	180	7	150	1	180
1873	Jan.	20	157	1	171	15	140	120	180	7	150	1	180
	July	20	157	1	171	17	140	124	195	8	163	1	180
1874	Jan.	20	157	1	171	16	140	123	180	7	150	1	180
	July	19	157	1	171	15	140	117	180	6	150	1	180
1875	Jan.	20	157	1	171	18	112	108	144	5	120	1	144
	July	18	157	1	171	17	108	112	144	5	125	1	160
1876	Jan.	17	150	1	171	12	108	115	144	5	125	1	160
	July	20	150	1	171	17	112	110	144	5	100	1	160
1877	Jan.	18	150	1	171	18	90	102	115	5	100	1	128
	July	18	150	1	171	20	90	89	115	5	100	1	140
1878	Jan.	18	150	1	143	25	90	85	115	4	113	1	140
	July	18	150	1	143	28	100	87	115	4	113	1	140
1879	Jan.	25	133	1	143	34	88	90	115	6	115	1	140
	July	25	133	1	143	35	92	93	115	7	119	1	140
1880	Jan.	43	133	1	129	36	92	88	130	7	118	1	120
	July	84	150	1	129	35	92	102	132	7	119	1	120

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Metals and Metallic Goods—(Con.)					
No. of estab.		61		62			
State		Mass.		N. H.			
Reference		1120	1128	1128	1181	1181	1188
Occupation		Laborers		Wood-workers	Blacksmiths	Engineers	Laborers
Sex		Male		Male	Male	Male	Male
Base wages		\$1.125	\$1.685	\$1.665	\$1.50	\$1.17	\$1.14
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	4 100	11 100	8 100	1 100	1 100	8 100	19 100
July	4 100	11 100	8 100	1 100	1 100	5 104	28 108
1861 Jan.	2 111	12 104	8 110	1 95	1 100	1 88	10 102
July	2 111	12 107	8 110	1 95	—	1 88	6 104
1862 Jan.	1 111	12 108	4 113	1 105	1 100	1 88	13 105
July	1 118	11 109	4 116	1 100	1 100	8 97	16 104
1868 Jan.	2 118	11 108	8 115	2 106	1 100	8 100	12 110
July	2 188	11 112	8 115	2 111	1 107	4 102	12 116
1864 Jan.	8 188	11 117	8 125	2 114	1 107	2 117	12 117
July	8 188	11 138	8 180	1 150	1 128	1 110	11 125
1865 Jan.	4 188	16 180	8 185	2 167	1 128	1 81	11 134
July	4 188	16 187	8 150	1 150	1 128	1 81	12 122
1866 Jan.	2 122	17 143	8 155	2 167	1 150	5 121	10 144
July	2 122	17 145	8 155	8 159	1 150	4 130	12 136
1867 Jan.	2 144	25 149	2 158	8 159	1 150	8 129	9 135
July	2 144	25 149	2 158	1 167	1 150	8 129	7 136
1868 Jan.	2 144	22 149	2 158	1 150	1 150	2 117	8 129
July	2 144	20 151	2 158	1 150	1 150	8 117	12 138
1869 Jan.	1 156	19 152	2 158	1 167	1 150	8 117	8 154
July	1 156	18 155	2 158	1 117	1 171	5 132	12 153
1870 Jan.	1 156	17 146	2 158	1 133	1 171	1 139	6 163
July	1 156	17 148	2 158	1 150	1 171	4 129	9 153
1871 Jan.	2 156	19 149	2 158	1 150	1 171	4 129	7 154
July	2 156	19 152	2 158	1 167	1 171	4 129	7 153
1872 Jan.	2 156	26 150	8 160	1 167	1 171	2 128	7 142
July	2 156	25 151	8 160	1 167	1 171	8 121	11 132
1873 Jan.	3 156	27 148	2 158	1 183	1 171	8 121	6 136
July	3 156	26 149	2 158	1 183	1 171	7 123	6 139
1874 Jan.	3 156	27 151	1 180	1 183	1 171	4 128	4 144
July	3 156	27 151	1 180	1 183	1 171	4 133	7 135
1875 Jan.	5 147	34 152	1 180	1 183	1 171	1 132	3 129
July	5 147	34 152	1 180	1 155	1 171	3 127	5 118
1876 Jan.	4 135	33 148	1 180	—	—	—	2 68
July	—	31 138	1 162	—	1 171	1 132	2 110
1877 Jan.	4 135	30 138	1 162	—	—	—	—
July	4 135	29 137	1 162	—	—	—	—
1878 Jan.	4 135	33 135	1 162	—	—	—	—
July	4 135	32 136	1 162	—	—	—	—
1879 Jan.	2 133	27 127	2 140	1 133	1 98	6 104	4 106
July	2 133	27 127	2 140	1 133	1 98	6 104	4 106
1880 Jan.	2 122	31 128	2 140	1 133	1 98	5 103	4 106
July	2 122	33 135	2 143	1 133	1 98	6 104	4 107

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Metals and Metallic Goods—(Con.)									
No. of estab.		62		65				66			
State		N. H.		N. J.				New York			
Reference		1142	1144	1144	1165	1167		1169	1171		
Occupation		Machinists	Pattern-makers	Wood-workers	Foremen	Machinists		Coremakers	Cupola-men		
Sex		Male	Male	Male	Male	Male		Male	Male		
Base wages		\$1.485	\$1.67	\$1.375	\$3.00 <sup>1</sup>	\$2.00 <sup>1</sup>		\$1.25	\$1.055		
		Rel.	Rel.	Rel.	Rel.	Rel.		Rel.	Rel.		
		No. wages	No. wages	No. wages	No. wages	No. wages		No. wages	No. wages		
1860	Jan.	5 100	1 100	2 100	— —	— —		1 100	3 100		
	July	5 106	1 100	1 109	— —	— —		1 100	3 100		
1861	Jan.	8 99	1 95	— —	— —	— —		1 100	3 100		
	July	5 124	1 95	— —	— —	— —		1 100	2 103		
1862	Jan.	5 134	— —	1 91	— —	— —		1 100	2 103		
	July	3 92	1 90	1 91	— —	— —		1 100	2 103		
1863	Jan.	5 113	— —	1 121	1 100	9 86		1 100	2 110		
	July	3 108	1 90	1 133	1 100	7 91		1 100	2 110		
1864	Jan.	5 114	1 120	1 109	1 100	12 94		1 100	2 114		
	July	5 138	1 120	1 133	1 111	17 110		1 120	3 127		
1865	Jan.	3 166	— —	1 164	1 139	15 110		1 120	2 136		
	July	4 170	1 120	— —	1 139	17 113		1 120	2 136		
1866	Jan.	10 156	1 150	1 158	1 139	17 120		1 120	3 134		
	July	9 160	1 180	— —	1 139	19 121		1 120	3 134		
1867	Jan.	11 164	1 180	— —	1 139	9 120		1 120	3 134		
	July	8 161	1 180	— —	1 139	8 119		1 133	3 153		
1868	Jan.	6 168	1 180	— —	1 139	6 119		1 133	3 153		
	July	5 154	1 180	1 182	1 139	6 119		1 133	2 166		
1869	Jan.	5 150	1 180	— —	1 139	6 120		1 133	2 166		
	July	7 148	1 180	— —	1 139	6 120		1 133	2 166		
1870	Jan.	7 138	1 180	— —	1 139	6 120		1 133	2 166		
	July	8 138	1 180	— —	1 139	6 120		1 133	2 166		
1871	Jan.	7 142	1 180	— —	1 139	6 119		1 133	2 166		
	July	7 139	1 180	— —	1 139	13 120		1 133	2 166		
1872	Jan.	7 141	1 180	— —	1 139	14 119		1 133	2 166		
	July	4 128	— —	— —	1 139	16 117		2 136	2 182		
1873	Jan.	— —	— —	— —	1 139	12 119		2 144	2 170		
	July	1 128	— —	— —	1 139	11 121		2 144	2 182		
1874	Jan.	2 128	— —	— —	1 139	11 122		2 144	2 182		
	July	3 139	— —	— —	1 139	7 128		2 144	2 182		
1875	Jan.	3 139	— —	— —	1 139	9 125		1 147	2 182		
	July	3 149	— —	— —	1 167	10 125		— —	2 182		
1876	Jan.	— —	— —	— —	1 167	9 125		— —	2 162		
	July	1 161	— —	— —	1 167	9 125		— —	2 162		
1877	Jan.	— —	— —	— —	1 167	6 123		— —	2 162		
	July	— —	— —	— —	1 167	6 123		— —	2 162		
1878	Jan.	— —	— —	— —	1 167	6 123		— —	2 162		
	July	— —	— —	— —	1 167	6 123		— —	2 162		
1879	Jan.	— —	— —	— —	1 139	7 122		1 120	2 162		
	July	— —	— —	— —	1 139	7 122		1 120	3 147		
1880	Jan.	— —	— —	— —	1 139	7 123		1 120	4 146		
	July	— —	— —	— —	1 139	7 123		1 120	2 162		

<sup>1</sup>July 1859.



TABLE 5—(CONTINUED).

for rates of wages from Table XII of the "Aldrich Report."

		Metals and Metallic Goods— (Con )						
		66					67	
		New York					New York	
		1172	1178	1175	1176	1177	1178	1180
		Engineers	Laborers	Machinists	Teamsters	Watchmen	Blacksmiths	Helpers
		Male	Male	Male	Male	Male	Male	Male
		\$1.00	\$ .825	\$1.125	\$1.00	\$ .855	\$1.75	\$ .875
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
	1	100	8 100	1 100	1 100	1 100	1 100	1 100
	1	100	6 100	1 100	1 100	1 100	1 100	1 107
	1	100	5 100	1 100	1 100	1 100	1 100	1 107
	1	100		1 100	1 100	1 100	1 100	1 100
	1	100	7 97	1 100	1 100	1 100	1 100	1 100
	1	100	13 98	1 100	1 100	1 100	1 100	1 100
	1	100	11 101	2 137	1 100	1 100	1 105	1 86
	1	100	11 122	1 119	1 100	1 117	1 105	1 143
	1	117	13 125	1 138	1 117	1 100	1 114	1 143
y	1	150	13 160	1 163	1 142	1 117	1 157	1 186
1.	1	150	10 166	1 163	1 142	1 117	1 157	1 186
y	1	150	8 166	1 163	1 142	1 117	1 150	1 186
1.	1	150	6 167	1 163	1 142	1 117	—	2 179
	1	150	7 167	1 163	1 142	1 117	1 157	1 186
	1	150	7 165	1 163	2 142	1 134	1 171	1 186
y	1	167	11 181	1 200	3 147	1 142	1 186	1 186
1.	1	167	5 180	1 200	2 150	1 142	1 188	1 188
y	1	167	16 180	1 200	3 159	1 142	1 186	1 200
1866 Jan.	1	167	14 180	1 200	2 150	1 142	1 186	1 200
July	1	167	18 180	1 200	1 150	1 142	1 200	1 186
1870 Jan.	1	167	13 180	1 200	1 150	1 142	1 186	2 198
July	1	167	14 180	1 200	2 159	1 142	1 200	1 166
1871 Jan.	1	167	11 180	1 200	2 159	1 142	1 200	3 190
July	1	167	14 184	1 200	2 159	1 142	1 200	3 210
1872 Jan.	1	167	11 188	1 200	1 150	1 142	1 200	3 210
July	1	200	13 204	1 222	2 159	1 150	1 200	2 200
1873 Jan.	1	200	13 207	1 178	2 163	1 150	1 214	2 214
July	1	200	13 209	1 222	2 163	1 150	1 214	3 214
1874 Jan.	1	200	13 207	1 222	2 163	1 150	1 214	1 229
July	1	200	13 206	1 222	2 163	1 150	1 214	1 229
1875 Jan.	1	200	8 206	1 222	2 163	1 150	1 214	3 190
July	1	200	8 180	1 222	2 163	1 150	1 214	3 190
1876 Jan.	1	200	10 141	1 222	2 163	1 150	1 214	3 200
July	1	200	10 153	1 222	2 163	1 150	1 214	1 300
1877 Jan.	1	200	11 153	1 222	2 163	1 150	1 200	1 171
July	1	200	10 153	1 222	2 163	1 150	1 200	1 171
1878 Jan.	1	200	10 153	1 222	2 163	1 150	1 200	1 171
July	1	200	10 153	1 222	2 163	1 150	1 200	1 171
1879 Jan.	1	167	6 150	1 222	2 138	1 125	1 200	1 171
July	1	167	8 150	2 189	2 138	1 125	1 186	1 171
1880 Jan.	1	167	12 154	2 189	3 142	1 125	1 186	2 143
July	1	167	10 153	2 189	3 142	1 125	1 300	3 167

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Metals and Metallic Goods—(Con.)									
No. of estab.		67									
State		New York									
Reference		1184	1189	1194	1198	1201	1203	1205			
Occupation				Machinists'		Moulders'		Moulders'		Pattern-makers	
		Laborers	Machinists	Helpers	Moulders	Apprentices	Helpers				
Sex		Male	Male	Male	Male	Male	Male	Male			
Base wages		\$ .89	\$1.59	\$1.095	\$1.66	\$ .675	\$1.125	\$1.50			
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.			
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860	Jan.	8 100	7 100	7 100	7 100	4 100	3 100	3 100	3 100	3 100	3 100
	July	10 99	8 101	7 100	7 100	3 105	4 97	3 100	3 100	3 100	3 100
1861	Jan.	9 99	8 102	7 100	6 102	3 103	4 97	3 100	3 100	3 100	3 100
	July	7 97	6 100	5 91	6 100	1 93	3 101	3 94	3 94	3 94	3 94
1862	Jan.	7 97	6 96	4 95	4 100	1 111	4 98	3 94	3 94	3 94	3 94
	July	8 97	9 100	4 95	7 97	1 111	3 96	3 94	3 94	3 94	3 94
1863	Jan.	7 103	8 101	2 94	6 103	— —	4 95	3 94	3 94	3 94	3 94
	July	10 133	12 106	2 105	6 111	— —	4 108	3 103	3 103	3 103	3 103
1864	Jan.	9 134	13 115	2 126	7 119	— —	3 108	3 106	3 106	3 106	3 106
	July	12 177	13 151	5 146	8 138	1 111	3 126	3 136	3 136	3 136	3 136
1865	Jan.	12 174	12 153	5 146	9 141	2 98	3 126	3 136	3 136	3 136	3 136
	July	11 169	12 153	4 148	8 145	1 86	3 130	3 136	3 136	3 136	3 136
1866	Jan.	12 170	14 153	5 139	9 142	1 111	3 144	4 135	4 135	4 135	4 135
	July	15 166	13 152	5 144	10 143	2 106	3 144	4 135	4 135	4 135	4 135
1867	Jan.	15 172	15 157	6 139	10 145	2 87	3 148	3 139	3 139	3 139	3 139
	July	16 167	11 157	5 137	11 163	1 74	4 136	3 150	3 150	3 150	3 150
1868	Jan.	12 172	9 164	5 146	8 168	2 74	2 117	3 150	3 150	3 150	3 150
	July	12 187	11 160	4 146	8 166	2 96	2 122	3 156	3 156	3 156	3 156
1869	Jan.	13 191	14 157	4 148	8 173	1 124	3 153	3 156	3 156	3 156	3 156
	July	11 192	11 151	3 148	8 175	1 174	3 153	3 156	3 156	3 156	3 156
1870	Jan.	16 192	15 157	4 143	8 173	1 100	3 153	3 156	3 156	3 156	3 156
	July	10 191	11 151	3 148	8 175	1 174	3 153	3 139	3 139	3 139	3 139
1871	Jan.	15 195	13 155	7 131	5 181	1 100	4 167	4 183	4 183	4 183	4 183
	July	15 191	15 160	6 137	7 168	1 148	3 178	4 183	4 183	4 183	4 183
1872	Jan.	13 193	16 159	4 143	5 169	1 148	2 156	4 183	4 183	4 183	4 183
	July	13 190	22 158	3 145	6 173	— —	4 156	4 183	4 183	4 183	4 183
1873	Jan.	10 197	16 152	3 160	6 176	— —	4 167	5 170	5 170	5 170	5 170
	July	13 192	14 163	3 168	6 171	1 74	4 178	6 175	6 175	6 175	6 175
1874	Jan.	10 199	16 164	5 146	8 164	1 74	1 178	5 170	5 170	5 170	5 170
	July	10 199	12 166	4 160	8 170	1 74	1 178	5 170	5 170	5 170	5 170
1875	Jan.	11 197	12 166	5 146	7 172	1 74	1 178	4 175	4 175	4 175	4 175
	July	10 197	10 164	5 146	7 172	1 99	1 178	4 175	4 175	4 175	4 175
1876	Jan.	11 192	10 159	5 146	7 172	1 99	1 178	4 175	4 175	4 175	4 175
	July	9 186	12 151	5 162	5 160	— —	1 156	4 165	4 165	4 165	4 165
1877	Jan.	9 175	8 137	4 155	6 147	— —	1 144	4 167	4 167	4 167	4 167
	July	8 178	9 135	5 147	7 147	— —	1 144	3 172	3 172	3 172	3 172
1878	Jan.	9 175	7 135	4 145	8 148	— —	1 144	3 172	3 172	3 172	3 172
	July	9 175	7 137	4 145	8 147	— —	1 144	3 172	3 172	3 172	3 172
1879	Jan.	9 175	8 133	3 138	8 148	— —	1 144	2 158	2 158	2 158	2 158
	July	8 163	9 128	4 125	7 134	— —	1 138	4 138	4 138	4 138	4 138
1880	Jan.	11 154	11 130	4 128	9 135	— —	1 138	6 136	6 136	6 136	6 136
	July	10 164	15 140	5 137	8 135	— —	1 138	6 147	6 147	6 147	6 147

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Metals and Metallic Goods—(Con.)						
No. of estab.		67			68			
State		New York			New York			
Reference		1207	1208	1210	1216	1221	1223	1226
Occupation		Patternmakers'			Boiler-	Boilerm'krs'	Boilerm'krs'	Foremen
		Apprentices	Watchmen	Blacksmiths	makers	Apprentices	Helpers	Blacksmiths
Sex		Male	Male	Male	Male	Male	Male	Male
Base-wages		\$3.38 <sup>1</sup>	\$3.81	\$1.25	\$1.21	\$3.75	\$3.84	\$2.00 <sup>1</sup>
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	—	—	1 100	1 100	3 100	1 100	12 100	—
July	—	—	1 100	1 110	2 98	2 116	8 90	—
1861 Jan.	—	—	1 103	—	—	—	—	—
July	1 100	—	—	—	5 132	2 133	4 119	1 100
1862 Jan.	1 100	—	—	1 100	7 127	3 133	9 109	1 100
July	1 152	1 102	—	—	6 131	3 111	5 110	1 100
1863 Jan.	1 152	1 115	3 108	5 116	1 100	3 114	1 100	1 100
July	—	1 115	5 114	14 137	2 105	5 89	1 125	1 125
1864 Jan.	—	1 115	5 120	17 152	1 112	10 98	1 175	1 175
July	1 152	1 132	5 140	30 162	4 123	9 98	1 175	1 175
1865 Jan.	1 189	1 123	5 164	27 173	4 151	5 107	1 225	1 225
July	1 189	1 123	5 164	21 174	3 156	3 124	1 225	1 225
1866 Jan.	1 227	1 132	6 155	18 174	—	—	4 108	—
July	1 227	1 132	5 158	5 149	—	—	1 119	1 150
1867 Jan.	1 303	1 132	4 168	18 171	—	—	1 134	1 163
July	1 152	1 132	5 158	17 184	—	—	1 134	1 163
1868 Jan.	1 152	1 132	3 150	16 170	3 197	3 124	1 163	1 163
July	1 205	1 132	3 150	9 179	2 213	3 121	1 163	1 163
1869 Jan.	1 253	1 132	6 150	8 179	1 213	5 116	1 163	1 163
July	1 303	1 132	6 151	19 175	—	—	4 118	1 163
1870 Jan.	1 253	1 132	8 148	24 182	1 213	3 134	1 163	1 163
July	1 303	1 132	7 155	19 179	1 213	3 127	1 163	1 163
1871 Jan.	—	1 177	7 156	21 178	—	—	3 127	1 175
July	1 152	1 177	6 155	31 179	—	—	3 127	1 175
1872 Jan.	1 154	1 177	6 161	32 182	—	—	7 124	1 190
July	1 205	1 177	6 166	31 188	—	—	6 127	1 190
1873 Jan.	—	1 177	6 174	24 188	—	—	6 137	1 190
July	—	1 177	6 175	21 186	—	—	6 123	1 200
1874 Jan.	—	1 177	3 159	18 179	—	—	2 95	1 200
July	—	1 177	4 166	16 186	—	—	3 115	1 200
1875 Jan.	—	1 177	2 172	13 187	—	—	3 115	1 200
July	—	1 177	3 157	16 174	—	—	2 95	1 200
1876 Jan.	—	1 177	1 144	16 161	—	—	3 119	1 200
July	—	1 177	5 146	22 148	2 187	9 124	1 200	1 200
1877 Jan.	—	1 177	4 153	29 151	3 187	13 132	1 200	1 200
July	—	1 177	4 151	26 154	3 187	14 140	1 200	1 200
1878 Jan.	—	1 177	4 149	25 153	5 176	13 137	1 200	1 200
July	—	1 177	2 134	19 157	4 167	3 151	1 200	1 200
1879 Jan.	—	1 177	2 120	17 144	3 160	3 147	1 188	1 188
July	—	1 177	3 127	16 142	3 151	3 151	1 188	1 188
1880 Jan.	1 102	1 177	2 130	25 146	4 173	4 143	1 188	1 188
July	1 102	1 177	3 149	21 157	1 160	4 134	1 188	1 188

<sup>1</sup> July, 1861.

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Metals and Metallic Goods—(Con.)									
No. of estab.		68									
State		New York									
Reference		1227	1231	1237	1244	1250	1254	1258			
Occupation		Foremen		Machinists'		Moulders'		Moulders'		Pattern-	
		Boilermakers	Machinists	Apprentices	Moulders	Apprentices	Helpers			makers	
Sex		Male	Male	Male	Male	Male	Male	Male		Male	
Base wages		\$2.00 <sup>1</sup>	\$1.375	\$1.545	\$1.315	\$1.50	\$1.72	\$1.29			
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.		Rel.	
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages		No. wages	
1860	Jan.	—	8 100	4 100	8 100	2 100	12 100	3 100			
	July	—	4 100	2 115	11 116	1 125	8 128	2 107			
1861	Jan.	—	—	—	—	—	1 122	1 126			
	July	1 100	3 119	5 89	11 117	2 84	8 130	1 136			
1862	Jan.	1 100	9 107	6 89	11 117	2 84	10 120	2 116			
	July	1 100	12 115	7 108	16 115	2 117	14 131	8 116			
1863	Jan.	1 125	13 117	8 102	13 117	1 117	16 135	7 116			
	July	1 125	12 128	4 69	23 122	4 113	10 162	8 138			
1864	Jan.	1 125	14 131	7 90	23 123	6 106	12 162	8 143			
	July	1 163	11 162	10 100	39 137	6 129	—	9 158			
1865	Jan.	1 163	12 158	11 116	41 149	4 148	1 139	5 169			
	July	1 163	9 144	11 118	29 147	2 157	2 191	4 179			
1866	Jan.	1 167	11 156	10 122	35 149	1 84	2 153	5 180			
	July	1 167	13 169	7 122	26 152	3 97	2 174	5 186			
1867	Jan.	1 167	15 176	8 150	24 151	4 97	2 174	5 192			
	July	1 167	16 177	9 188	34 151	4 100	1 167	6 208			
1868	Jan.	1 206	13 187	4 161	29 147	5 108	1 167	4 211			
	July	1 167	13 171	5 147	22 152	5 129	—	4 208			
1869	Jan.	1 206	18 172	8 133	26 154	5 133	—	5 209			
	July	1 250	17 174	5 103	29 161	7 143	—	3 200			
1870	Jan.	—	16 172	6 118	22 156	7 133	2 201	2 208			
	July	1 167	17 172	8 123	25 164	4 133	5 169	5 187			
1871	Jan.	1 167	14 175	8 130	23 156	4 133	5 174	3 177			
	July	1 167	12 176	11 114	20 160	1 100	2 174	5 192			
1872	Jan.	1 206	16 172	16 107	15 174	1 100	2 174	3 205			
	July	1 206	15 176	12 123	24 171	1 120	3 185	5 185			
1873	Jan.	1 206	18 171	14 136	26 160	1 120	6 191	6 174			
	July	1 206	18 171	18 127	30 167	5 128	6 199	5 199			
1874	Jan.	1 206	14 164	21 133	22 151	3 127	5 181	4 194			
	July	1 206	23 163	16 143	27 158	7 129	6 179	5 181			
1875	Jan.	1 206	6 173	7 173	24 157	4 130	6 176	2 194			
	July	1 206	11 159	7 173	26 161	6 127	9 174	6 178			
1876	Jan.	1 206	12 156	5 161	21 158	5 124	10 174	4 176			
	July	1 206	20 151	5 147	24 156	5 124	12 172	3 168			
1877	Jan.	1 206	26 145	10 119	19 159	6 127	12 174	3 160			
	July	1 206	23 146	7 102	18 159	8 125	10 178	2 171			
1878	Jan.	1 206	26 144	11 106	19 159	6 137	10 178	3 134			
	July	1 206	14 156	11 125	19 158	7 140	8 183	2 148			
1879	Jan.	1 206	12 155	5 128	12 154	3 147	10 157	2 140			
	July	1 206	14 146	10 145	18 154	4 140	15 159	3 137			
1880	Jan.	1 206	17 146	11 155	22 140	4 145	14 165	3 134			
	July	1 206	20 151	8 151	22 147	4 150	14 169	5 144			

<sup>1</sup>July 1861.

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Metals and Metallic Goods—(Con.)							
No. of estab.		69		70		71			
State		New York		New York		New York			
Reference		1267	1272	1275	1279	1284	1289	1293	
Occupation		Machinists		Machinists'		Blacksmiths'			
		Machinists	Apprentices	Helpers	Machinists	Blacksmiths	Helpers	Carpenters	
Sex		Male	Male	Male	Male	Male	Male	Male	
Base wages		\$1.49	\$ .855	\$1.25	\$1.90	\$2.075	\$1.15	\$1.915	
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860	Jan.	25 100	7 100	3 100	7 100	12 100	11 100	9 100	
	July	17 96	9 74	4 92	8 98	12 100	11 100	9 100	
1861	Jan.	18 99	13 86	5 98	4 99	10 100	13 100	8 101	
	July	20 102	6 91	8 95	2 103	9 101	11 100	8 101	
1862	Jan.	35 103	7 99	7 102	6 97	9 103	5 100	8 103	
	July	22 115	4 95	5 92	5 102	9 104	13 104	8 103	
1863	Jan.	15 115	5 89	2 80	4 104	9 113	5 120	8 108	
	July	2 109	— —	— —	5 107	10 117	12 124	9 121	
1864	Jan.	1 235	— —	— —	4 125	11 132	15 141	8 130	
	July	63 154	12 83	7 98	4 144	11 160	17 174	6 135	
1865	Jan.	65 157	12 85	7 98	5 155	17 155	18 172	6 136	
	July	61 159	9 77	8 104	5 159	13 164	13 177	6 136	
1866	Jan.	43 168	3 94	1 110	5 162	14 164	15 176	6 140	
	July	54 172	8 81	3 110	5 169	13 167	15 176	6 145	
1867	Jan.	50 174	7 78	2 100	4 178	15 168	14 177	6 150	
	July	24 179	11 80	— —	4 178	14 168	13 177	5 163	
1868	Jan.	15 176	14 109	— —	7 165	13 168	12 177	6 162	
	July	27 173	11 106	— —	8 163	12 167	12 177	5 162	
1669	Jan.	13 176	9 113	3 100	6 167	12 168	11 177	5 162	
	July	20 175	11 116	1 100	6 165	11 169	11 180	5 164	
1870	Jan.	45 165	6 99	4 102	5 177	13 167	15 174	6 168	
	July	40 167	8 89	4 102	4 182	13 168	15 177	6 168	
1871	Jan.	34 167	6 71	3 102	4 168	14 168	11 174	6 170	
	July	— —	— —	— —	5 166	14 168	11 174	6 170	
1872	Jan.	— —	— —	— —	5 174	17 167	19 175	8 173	
	July	— —	— —	— —	5 174	15 169	18 173	7 172	
1873	Jan.	25 153	1 99	— —	5 176	15 163	19 173	5 171	
	July	23 160	— —	— —	5 176	13 164	19 173	10 169	
1874	Jan.	6 159	1 77	1 130	6 171	12 170	17 174	11 157	
	July	— —	— —	— —	6 171	11 168	17 174	9 157	
1875	Jan.	— —	— —	— —	7 167	14 168	16 162	8 157	
	July	7 151	1 88	1 120	7 167	15 156	15 163	9 138	
1876	Jan.	— —	— —	— —	7 156	15 154	14 163	7 141	
	July	12 150	3 63	2 116	6 158	14 138	14 141	10 132	
1877	Jan.	7 146	3 73	6 107	7 158	13 138	12 141	9 133	
	July	18 130	5 68	5 109	8 151	13 138	12 141	9 133	
1878	Jan.	37 126	4 66	11 105	8 150	13 138	12 140	12 119	
	July	14 133	3 58	6 103	7 150	12 138	11 140	12 119	
1879	Jan.	36 128	6 87	12 95	8 151	14 131	13 132	8 116	
	July	20 135	11 86	6 102	8 151	13 131	13 132	10 115	
1880	Jan.	38 133	13 87	11 102	12 140	13 132	21 133	12 115	
	July	43 142	12 93	16 106	11 154	17 132	19 134	11 125	

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Metals and Metallic Goods—(Con.)							
No. of estab.	State	71 New York				72 New York			
Reference		1297	1299	1300	1306	1311	1315	1318	
Occupation		Foremen				Pattern-	Blacksmiths'		
		Draughtsmen	Blacksmiths	Laborers	Moulders	makers	Blacksmiths	Helpers	
Sex		Male	Male	Male	Male	Male	Male	Male	
Base wages		\$2.165	\$3.00	\$1.00	\$1.885	\$1.96	\$1.515	\$1.875	
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860	Jan.	3 100	1 100	12 100	14 100	3 100	9 100	7 100	
	July	3 100	1 100	12 100	14 100	3 100	8 97	10 105	
1861	Jan.	4 98	1 100	10 100	13 102	4 97	5 92	6 100	
	July	4 98	1 100	10 100	13 102	4 97	4 93	5 103	
1862	Jan.	3 100	1 100	10 102	11 104	5 94	5 96	9 103	
	July	3 100	1 100	10 103	12 102	5 94	4 109	5 111	
1863	Jan.	4 106	1 111	11 111	11 107	5 99	5 102	6 114	
	July	5 115	1 111	11 121	12 115	5 111	4 122	7 118	
1864	Jan.	7 127	1 133	13 130	15 132	7 125	3 121	10 129	
	July	7 137	1 167	19 152	16 158	8 146	5 144	7 165	
1865	Jan.	7 155	1 167	10 150	10 164	6 145	3 149	8 171	
	July	8 154	1 167	15 152	15 160	7 144	5 152	12 170	
1866	Jan.	6 171	1 167	19 152	17 170	5 147	4 165	11 177	
	July	9 183	1 167	18 152	15 171	5 148	3 165	9 176	
1867	Jan.	8 188	1 195	19 152	16 172	8 156	5 160	6 176	
	July	8 188	1 195	18 152	16 172	7 168	5 163	9 175	
1868	Jan.	7 188	1 195	13 153	14 174	7 168	4 163	5 177	
	July	7 188	1 195	13 153	14 174	6 177	5 163	5 177	
1869	Jan.	7 213	1 195	11 158	14 174	8 177	5 163	10 160	
	July	7 213	1 195	12 161	14 180	8 177	4 165	5 160	
1870	Jan.	5 220	1 195	10 164	15 180	6 177	1 132	10 197	
	July	4 223	1 195	10 165	15 180	6 177	6 159	14 186	
1871	Jan.	4 223	1 195	8 167	15 180	11 174	6 159	11 183	
	July	4 223	1 195	8 167	15 180	11 174	6 159	13 174	
1872	Jan.	4 223	1 195	6 168	15 176	15 172	7 158	2 179	
	July	3 208	—	6 168	15 176	14 172	8 169	11 186	
1873	Jan.	5 192	1 181	21 167	20 175	12 175	7 170	8 184	
	July	5 209	1 181	21 167	21 175	11 179	6 182	9 184	
1874	Jan.	5 202	1 181	20 168	14 168	6 172	—	3 162	
	July	5 202	1 181	18 169	14 168	6 170	1 165	8 171	
1875	Jan.	5 202	1 181	21 158	17 155	9 161	6 149	6 160	
	July	5 180	1 153	22 157	15 150	9 146	7 153	8 164	
1876	Jan.	5 180	1 153	19 157	16 149	8 149	2 141	3 150	
	July	5 167	1 139	14 144	14 137	12 134	6 141	9 150	
1877	Jan.	5 167	1 139	14 145	14 135	10 134	8 141	9 150	
	July	5 167	1 139	13 144	14 135	10 134	7 141	7 150	
1878	Jan.	5 179	1 139	18 140	14 136	11 124	6 141	7 151	
	July	5 179	1 139	17 141	14 136	10 122	11 125	11 135	
1879	Jan.	5 179	1 139	25 135	16 134	13 122	8 125	9 137	
	July	5 179	1 139	23 137	15 134	14 130	10 125	12 135	
1880	Jan.	5 179	1 139	18 142	20 130	17 129	10 137	8 150	
	July	3 190	1 167	17 159	23 142	16 141	10 153	17 160	

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	No. of estab.	Metals and Metallic Goods—(Con.)									
		72 N. Y.					73 Penn.				
Reference		1822	1825	1827	1831	1834	1837	1839			
Occupation		Carpenters'		Coal			Masons'				
		Carpenters	Helpers	Wheelers	Machinists	Masons	Helpers	Blacksmiths			
Sex		Male	Male	Male	Male	Male	Male	Male			
Base wages		\$1.625 <sup>1</sup>	\$1.515 <sup>1</sup>	\$1.395	\$1.275	\$2.50	\$1.965	\$1.89			
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.			
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages			
1860 Jan.	—	—	—	11 100	3 100	1 100	5 100	3 100			
July	2 100	1 100	6 102	6 101	1 100	4 104	3 103				
1861 Jan.	1 92	—	9 103	9 102	1 100	5 100	4 100				
July	1 92	—	6 109	7 108	1 100	5 100	3 103				
1862 Jan.	—	—	10 104	6 109	2 87	4 89	2 108				
July	—	—	8 148	9 181	4 104	6 82	7 107	3 106			
1863 Jan.	—	—	6 161	8 136	—	3 81	7 109	3 112			
July	1 123	9 171	10 148	—	3 87	5 114	2 126				
1864 Jan.	1 135	6 202	16 164	—	3 92	7 121	2 139				
July	5 126	2 107	13 170	5 160	3 104	6 138	5 139				
1865 Jan.	5 135	3 210	15 198	8 181	3 104	10 148	3 159				
July	4 134	4 215	—	4 166	4 96	6 149	3 153				
1866 Jan.	7 134	4 211	15 197	6 174	4 109	4 149	4 152				
July	7 130	3 204	14 197	8 175	3 109	7 149	5 148				
1867 Jan.	6 131	2 199	20 179	7 173	3 109	10 154	4 159				
July	7 146	1 169	15 194	7 178	3 109	7 149	4 163				
1868 Jan.	8 149	—	17 177	4 182	3 109	8 149	4 163				
July	11 150	2 184	—	4 187	3 109	7 149	4 163				
1869 Jan.	5 149	1 184	17 178	5 167	3 109	8 149	4 163				
July	6 154	1 184	17 180	6 173	3 98	7 154	4 163				
1870 Jan.	—	—	21 191	—	1 117	2 165	5 161				
July	11 154	—	17 178	14 171	3 126	7 150	4 126				
1871 Jan.	5 154	—	18 178	11 172	3 126	7 149	5 133				
July	6 154	—	19 189	12 175	3 136	7 149	5 133				
1872 Jan.	7 154	—	20 177	10 176	3 126	8 149	4 138				
July	7 158	—	23 204	10 193	3 127	7 162	5 141				
1873 Jan.	6 159	—	23 177	11 192	3 127	4 162	5 143				
July	9 157	1 184	18 206	7 200	4 115	11 161	5 143				
1874 Jan.	5 145	—	16 177	8 175	3 110	8 149	7 147				
July	7 145	2 153	5 154	11 172	4 115	9 149	7 147				
1875 Jan.	3 123	—	18 156	5 160	2 105	4 130	5 136				
July	5 137	2 169	10 165	9 167	4 117	8 142	5 136				
1876 Jan.	1 162	10 196	19 142	5 156	2 105	7 130	4 124				
July	1 162	6 218	4 145	8 157	5 102	6 130	4 124				
1877 Jan.	1 162	6 218	10 143	12 155	3 103	5 130	4 108				
July	1 162	4 234	7 144	8 154	3 103	7 130	5 110				
1878 Jan.	1 162	4 234	13 142	7 153	2 105	10 130	4 101				
July	1 154	6 215	10 126	—	—	10 121	5 99				
1879 Jan.	1 154	11 212	13 128	—	12 97	7 104	4 101				
July	1 154	14 202	17 127	4 112	10 97	7 104	4 101				
1880 Jan.	1 169	12 215	19 156	19 153	10 100	17 126	4 101				
July	25 126	17 199	18 159	60 164	19 108	22 130	4 101				

<sup>1</sup> July, 1860.

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Metals and Metallic Goods—(Con.)						
No. of estab.		73					74	
State		Penn.					Penn.	
Reference		1341	1341	1342	1344	1346	1349	1351
Occupation	Blacksmiths'						Pattern-	
Sex	Helpers	Coremakers	Laborers	Machinists	Moulders		makers	Blacksmiths
	Male	Male	Male	Male	Male		Male	Male
Base wages	\$1.00	\$1.335	\$1.00	\$1.705	\$1.635		\$1.585	\$2.20
	Rel.	Rel.	Rel.	Rel.	Rel.		Rel.	Rel.
	No. wages	No. wages	No. wages	No. wages	No. wages		No. wages	No. wages
1860 Jan.	2 100	1 100	13 100	12 100	5 100		4 100	2 100
July	4 100	2 100	16 100	9 102	8 94		2 110	2 100
1861 Jan.	2 100	2 100	16 100	9 102	8 97		3 112	2 100
July	3 100	3 100	17 100	8 103	9 98		3 112	2 91
1862 Jan.	3 100	4 100	20 100	11 103	9 96		3 112	2 91
July	2 113	3 100	22 100	13 103	8 94		3 112	2 100
1863 Jan.	2 113	3 100	18 106	13 103	8 97		3 119	2 100
July	2 121	4 112	21 114	13 112	7 101		3 126	2 114
1864 Jan.	3 125	4 125	20 123	13 116	5 112		3 152	2 114
July	3 150	4 137	22 148	13 144	4 122		2 174	2 114
1865 Jan.	3 167	3 150	20 159	14 162	3 132		3 175	2 114
July	2 167	4 150	24 159	8 159	4 132		3 175	2 114
1866 Jan.	3 167	5 150	18 159	8 173	4 153		5 173	3 114
July	4 167	5 150	23 159	16 165	8 153		5 173	3 114
1867 Jan.	4 167	7 150	37 159	22 167	8 153		4 173	4 114
July	4 167	7 150	40 155	24 168	10 153		6 163	3 114
1868 Jan.	4 167	6 150	47 154	25 168	11 153		6 163	3 114
July	4 167	9 150	40 155	27 171	9 153		6 163	3 114
1869 Jan.	4 167	10 150	40 155	27 170	12 153		6 163	3 118
July	4 167	12 150	42 155	19 171	10 153		6 163	3 118
1870 Jan.	4 167	10 150	44 154	19 171	12 153		6 163	4 118
July	3 150	10 120	35 130	17 160	12 145		5 148	4 109
1871 Jan.	3 150	12 120	34 130	16 165	14 143		6 151	4 114
July	3 150	13 120	37 130	16 163	17 143		6 151	4 114
1872 Jan.	3 150	12 105	25 130	14 166	16 150		3 160	6 118
July	3 150	12 105	25 130	14 166	16 150		4 155	4 127
1873 Jan.	4 160	12 112	32 134	28 160	14 157		5 164	4 127
July	5 160	12 112	34 134	28 160	15 157		5 164	3 127
1874 Jan.	5 170	12 120	31 140	31 160	13 155		3 173	4 114
July	5 170	12 120	32 140	30 159	14 155		4 167	4 114
1875 Jan.	2 160	8 105	20 130	19 141	12 143		5 155	5 105
July	2 160	8 105	22 130	20 141	12 143		5 155	6 105
1876 Jan.	3 140	6 105	20 130	22 128	10 130		5 136	5 95
July	3 140	7 105	21 130	19 128	10 130		6 139	5 95
1877 Jan.	3 130	7 97	18 120	19 123	7 124		4 132	4 105
July	3 130	5 97	17 120	19 123	9 124		4 132	3 91
1878 Jan.	3 130	7 97	28 120	17 114	11 124		4 126	4 91
July	4 130	6 105	28 120	19 120	12 126		4 126	3 91
1879 Jan.	3 130	7 97	32 120	21 126	12 125		4 123	5 91
July	3 130	7 97	29 120	22 125	12 125		4 123	6 91
1880 Jan.	4 120	8 97	35 120	22 124	15 140		5 135	7 91
July	4 120	8 97	34 120	21 124	15 140		5 140	6 91



TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	Metal and Metallic Goods—(Con.)						
	74						
No. of estab.	Penn.						
	State						
Reference	1861	1862	1862	1863	1864	1865	1867
Occupation	Blacksmiths' Helpers	Core-makers	Draughtsmen	Engineers	Laborers	Machinists	Millwrights
Sex	Female	Male	Male	Male	Male	Male	Male
Base wages	\$1.40	\$1.20	\$2.50 <sup>1</sup>	\$2.40	\$1.00	\$1.65	\$2.00
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	2 100	8 100	— —	1 100	15 100	16 100	2 100
July	8 107	8 100	2 100	1 100	15 110	17 101	2 100
1861 Jan.	8 107	10 100	2 100	1 100	15 110	15 101	2 100
July	8 107	10 100	2 100	1 100	12 110	14 100	2 100
1862 Jan.	8 107	9 117	2 100	1 100	14 110	14 112	2 100
July	8 107	8 117	2 100	1 100	13 120	16 112	2 100
1863 Jan.	8 114	10 117	2 100	1 100	14 140	16 112	2 100
July	8 114	12 117	2 100	1 110	12 140	15 112	2 100
1864 Jan.	8 114	7 117	2 108	1 110	13 140	16 124	2 115
July	8 121	7 125	2 108	1 125	15 140	16 124	2 125
1865 Jan.	8 121	7 142	2 108	1 125	17 150	16 138	2 130
July	8 121	7 142	2 108	1 125	18 150	16 138	2 150
1866 Jan.	4 121	10 167	2 108	1 125	18 150	15 158	2 185
July	4 121	6 167	2 108	1 125	18 150	14 157	2 185
1867 Jan.	2 121	8 167	2 108	1 125	17 150	15 164	2 185
July	2 121	8 167	2 120	1 125	16 150	16 164	2 185
1868 Jan.	2 121	10 167	2 120	1 125	18 150	16 164	2 185
July	2 121	10 167	2 120	1 125	18 150	18 163	2 185
1869 Jan.	2 114	8 167	2 120	1 125	20 150	18 159	2 165
July	3 114	7 167	2 120	1 125	20 150	16 159	2 165
1870 Jan.	8 114	8 167	2 120	1 125	20 180	16 159	2 175
July	8 107	8 167	2 120	1 110	23 180	16 145	2 175
1871 Jan.	3 107	8 167	2 120	1 110	40 130	17 145	2 175
July	3 107	6 150	2 120	1 110	40 130	20 143	2 175
1872 Jan.	3 114	8 150	2 120	1 117	40 130	24 142	2 168
July	4 118	8 150	2 120	1 125	22 130	19 158	2 175
1873 Jan.	3 118	9 150	2 120	1 125	28 130	22 157	2 175
July	5 121	9 150	2 120	1 135	30 130	24 158	2 175
1874 Jan.	4 111	— —	2 120	1 125	25 130	21 157	4 155
July	4 107	— —	2 120	1 125	20 130	20 158	4 155
1875 Jan.	6 100	— —	2 120	1 110	28 130	20 141	3 140
July	5 100	— —	2 120	1 110	35 130	26 140	3 140
1876 Jan.	6 93	— —	2 140	1 100	30 120	19 128	2 150
July	6 93	— —	2 140	1 100	40 120	24 128	3 150
1877 Jan.	7 93	— —	2 140	1 110	42 120	25 130	3 150
July	6 79	8 142	2 120	1 100	38 100	26 128	3 125
1878 Jan.	6 79	7 142	2 120	1 100	40 100	27 128	4 125
July	4 79	5 142	2 120	1 100	35 100	27 126	2 125
1879 Jan.	4 79	8 142	2 120	1 100	38 100	20 128	2 125
July	4 79	7 133	2 120	1 100	40 130	24 128	2 125
1880 Jan.	5 79	7 133	2 120	1 100	40 130	26 128	2 125
July	5 93	10 150	2 152	1 110	45 120	27 137	2 125

<sup>1</sup> July, 1860.

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	Metals and Metallic Goods— (Concluded)				Paper		
No. of estab.	74				75		
State	Penn.				Mass.		
Reference	1358	1359	1360	1361	1361	1362	1363
Occupation	Moulders	Pattern-makers	Patternmk'rs' Helpers	Engineers	Finishers	Laborers	Machine Hands
Sex	Male	Male	Male	Male	Male	Male	Male
Base wages	\$1.70	\$1.535	\$1.30	\$1.165	\$1.25	\$1.00	\$1.335
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	12 100	3 100	2 100	2 100	1 100	22 100	2 100
July	12 100	4 101	2 100	2 100	1 100	20 100	2 100
1861 Jan.	10 118	4 101	2 100	2 100	1 100	17 100	2 100
July	8 118	4 101	2 100	2 100	1 100	16 100	2 100
1862 Jan.	10 118	4 107	2 100	2 100	1 87	15 80	2 100
July	10 129	4 114	2 100	2 100	1 87	15 80	2 112
1863 Jan.	10 129	4 121	2 115	2 115	1 107	12 100	2 112
July	6 147	4 127	2 115	2 115	1 107	12 100	2 112
1864 Jan.	6 147	4 130	2 115	2 115	1 107	12 100	2 125
July	10 176	5 143	2 115	2 129	1 140	12 134	2 150
1865 Jan.	8 176	5 159	2 154	2 143	1 160	12 150	2 169
July	8 176	5 159	2 154	2 143	1 160	12 167	2 169
1866 Jan.	10 176	4 176	3 123	2 143	1 200	10 150	2 187
July	10 176	4 176	3 123	2 143	1 200	9 150	2 187
1867 Jan.	9 176	4 182	2 123	2 143	1 200	8 150	2 206
July	9 153	4 182	3 123	2 158	1 200	9 150	2 206
1868 Jan.	10 153	4 182	3 123	2 158	1 240	7 150	2 206
July	8 153	4 182	3 123	2 158	1 260	8 150	2 206
1869 Jan.	8 153	4 176	3 123	2 158	1 260	8 150	2 206
July	8 153	4 176	3 123	2 172	1 240	8 150	2 206
1870 Jan.	8 153	4 186	4 115	2 172	1 240	8 150	2 206
July	6 153	4 179	4 115	2 172	1 240	8 150	2 225
1871 Jan.	8 153	4 179	4 115	2 172	1 241	8 150	2 225
July	10 176	4 176	4 115	2 172	1 274	8 150	2 225
1872 Jan.	10 176	5 185	6 115	2 172	1 189	8 150	2 225
July	12 176	6 187	6 115	2 172	1 266	8 150	2 225
1873 Jan.	10 176	6 187	6 115	2 172	1 284	8 150	2 225
July	10 176	5 186	8 131	2 172	1 272	8 150	2 225
1874 Jan.	— —	4 139	5 123	2 172	1 226	8 150	2 225
July	— —	4 139	5 123	2 172	1 336	8 150	2 225
1875 Jan.	— —	5 159	4 115	2 172	1 297	8 150	2 225
July	— —	6 159	4 115	2 172	1 329	8 150	2 225
1876 Jan.	— —	5 141	3 115	2 172	1 403	8 150	2 225
July	— —	5 141	4 115	2 150	1 286	8 125	2 187
1877 Jan.	— —	5 141	3 115	2 150	1 270	8 125	2 187
July	10 129	5 130	3 100	2 129	1 193	8 125	2 169
1878 Jan.	10 129	6 130	3 100	2 129	1 168	8 125	2 169
July	8 129	4 130	2 100	2 129	1 210	8 125	2 169
1879 Jan.	8 129	4 130	2 100	2 129	1 260	8 125	2 169
July	10 129	5 130	3 100	2 129	1 172	8 125	2 169
1880 Jan.	12 129	5 130	3 100	2 129	1 212	10 125	2 169
July	12 141	4 137	3 100	2 150	1 238	9 135	2 187

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry			Paper		Railroads					
No. of estab.			75		76					
State			Mass.		Mass.					
Reference	1863	1864	1864	1865	1866	1867			1870	
Occupation	Machine Hands' Helpers	Paper Cutters	Rag Sorters	Baggagemen	Brakemen Freight	Brakemen, Passengers			Carpenters	
Sex	Male	Female	Female	Male	Male	Male			Male	
Base wages	\$1.00	\$0.50	\$0.50	\$1.915	\$1.165	\$1.25			\$1.80	
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860 Jan.	2 100	6 100	6 100	6 100	22 100	10 100	79	100		
July	2 100	6 100	8 100	6 100	6 100	12 100	—	—		
1861 Jan.	2 100	6 100	9 100	6 100	14 100	18 100	—	—		
July	2 100	6 100	10 100	6 100	10 100	18 100	49	111		
1862 Jan.	2 100	6 80	10 80	8 100	12 100	18 100	65	107		
July	2 117	6 80	10 80	10 100	12 100	18 100	24	87		
1863 Jan.	2 117	6 100	12 100	4 100	13 100	12 100	29	98		
July	2 117	6 100	12 100	10 100	13 120	9 100	68	108		
1864 Jan.	2 117	6 100	9 100	6 100	16 120	17 100	49	131		
July	2 150	6 117	10 117	10 100	9 120	6 100	27	118		
1865 Jan.	2 150	6 117	10 117	10 110	10 120	12 100	58	170		
July	2 150	6 180	10 117	10 110	10 120	18 153	61	165		
1866 Jan.	2 150	4 180	14 117	10 110	10 146	32 140	50	135		
July	2 150	4 150	14 180	3 110	16 146	18 153	54	156		
1867 Jan.	2 150	4 150	14 180	6 110	22 146	18 153	40	191		
July	2 167	4 150	14 180	6 110	20 163	18 184	53	190		
1868 Jan.	2 167	4 150	13 180	2 110	12 172	18 184	85	166		
July	2 167	4 150	14 180	10 110	11 172	18 184	86	182		
1869 Jan.	2 150	4 150	14 130	4 110	19 172	24 160	37	169		
July	2 150	4 150	14 130	8 110	41 175	24 160	68	164		
1870 Jan.	2 150	4 150	14 130	10 110	26 172	24 160	39	197		
July	2 150	4 150	14 130	10 110	26 172	24 160	44	133		
1871 Jan.	2 150	4 150	14 130	10 110	13 172	7 180	136	187		
July	2 150	4 200	13 150	10 110	11 172	12 180	54	184		
1872 Jan.	2 150	4 200	12 150	10 110	16 172	9 180	236	172		
July	2 150	4 200	12 150	10 110	15 172	11 180	213	179		
1873 Jan.	2 150	4 200	12 150	16 110	18 172	16 180	4	212		
July	2 150	4 200	12 150	10 110	26 172	18 180	—	—		
1874 Jan.	2 150	4 200	12 150	10 110	116 155	18 180	85	169		
July	2 150	4 200	12 150	12 110	20 172	16 180	74	165		
1875 Jan.	2 150	4 200	12 150	12 110	9 172	10 180	73	175		
July	2 150	4 200	12 150	12 110	17 172	7 180	39	141		
1876 Jan.	2 150	4 200	10 150	16 110	11 150	4 180	—	—		
July	2 140	4 150	10 150	8 110	26 150	12 180	27	152		
1877 Jan.	2 140	4 150	10 150	16 110	14 142	12 144	67	143		
July	2 125	4 150	10 150	16 110	12 142	16 144	38	139		
1878 Jan.	2 125	4 150	9 150	2 110	12 142	16 144	12	123		
July	2 125	4 200	10 150	22 110	16 142	16 144	29	133		
1879 Jan.	2 125	4 200	9 150	9 110	42 142	20 144	13	152		
July	2 125	4 200	8 150	10 110	9 142	20 144	—	—		
1880 Jan.	2 125	4 200	8 150	6 110	12 150	24 160	41	136		
July	2 135	4 200	8 150	4 110	17 150	26 160	79	142		

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Railroads—(Con.)									
No. of estab.		76									
State		Mass.									
Reference		1374	1377	1378	1381	1382	1383	1386			
Occupation		Conductors, Freight	Conductors, Passenger	Engineers, Locomotive	Firemen, Locomotive	Foremen Masons	Masons	Painters			
Sex		Male	Male	Male	Male	Male	Male	Male			
Base wages		\$1.61	\$8.195	\$2.80	\$1.145	\$2.50	\$2.00 <sup>1</sup>	\$1.425			
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.			
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages			
1860	Jan.	20 100	16 100	56 100	42 100	1 100	—	11 100			
	July	19 102	12 100	41 100	24 114	1 100	4 100	1 117			
1861	Jan.	23 109	12 100	33 100	38 114	1 100	—	1 140			
	July	22 108	12 100	46 100	22 114	1 100	7 91	—			
1862	Jan.	23 111	10 100	46 100	22 114	1 100	—	—			
	July	16 110	12 100	40 100	50 114	1 100	—	4 96			
1863	Jan.	17 111	12 100	43 105	38 117	1 100	—	—			
	July	17 113	22 100	47 105	56 117	1 100	8 113	8 105			
1864	Jan.	30 110	22 100	43 106	36 117	1 100	3 125	—			
	July	22 110	16 100	46 106	36 117	1 100	6 125	9 140			
1865	Jan.	26 163	10 120	50 125	36 153	1 140	3 125	8 145			
	July	17 165	13 120	56 130	42 153	1 140	5 140	6 142			
1866	Jan.	21 172	12 120	46 130	40 153	1 160	16 105	6 160			
	July	23 159	13 120	48 131	42 153	1 160	19 147	11 177			
1867	Jan.	18 166	13 120	44 146	42 153	1 180	—	13 146			
	July	18 166	22 120	80 147	61 160	1 180	4 163	14 152			
1868	Jan.	23 166	21 120	47 144	36 153	1 190	13 130	14 151			
	July	19 160	20 120	42 144	32 153	1 190	20 165	19 149			
1869	Jan.	33 164	22 120	56 143	32 153	1 200	2 200	11 193			
	July	28 160	24 120	47 164	36 175	1 200	6 200	17 161			
1870	Jan.	36 157	26 120	69 165	36 175	1 200	—	6 197			
	July	30 162	20 120	80 165	58 175	1 200	3 200	9 183			
1871	Jan.	28 157	18 120	68 166	42 175	1 200	—	19 163			
	July	34 152	10 120	78 166	40 180	1 200	28 190	17 179			
1872	Jan.	40 152	26 120	54 167	62 175	1 200	10 195	45 169			
	July	37 149	25 120	60 167	40 180	1 200	4 200	39 184			
1873	Jan.	49 155	26 120	50 163	36 175	1 200	—	16 170			
	July	38 152	20 120	50 163	72 175	1 200	5 200	9 154			
1874	Jan.	30 157	30 120	50 163	80 166	1 180	—	24 176			
	July	28 160	30 120	52 163	48 175	1 180	33 166	27 156			
1875	Jan.	20 166	32 120	58 162	42 175	1 180	3 192	24 145			
	July	24 164	11 120	54 163	42 175	1 180	—	27 159			
1876	Jan.	26 160	18 108	54 163	52 157	1 160	—	—			
	July	28 153	28 108	53 165	50 157	1 160	24 179	21 125			
1877	Jan.	32 147	7 108	65 160	50 157	1 160	4 163	20 181			
	July	33 147	19 108	60 149	44 157	1 160	6 175	23 135			
1878	Jan.	24 146	22 108	70 149	82 141	1 160	—	18 127			
	July	40 144	36 108	60 149	42 157	1 160	3 163	18 134			
1879	Jan.	45 143	28 108	89 149	60 175	1 150	—	13 125			
	July	38 141	28 108	76 149	72 175	1 150	12 134	12 128			
1880	Jan.	34 157	28 108	83 163	72 175	1 160	2 150	19 127			
	July	26 160	28 120	49 164	72 175	1 160	4 150	15 132			

<sup>1</sup> July, 1860.

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	Sidewalks						Spices	
No. of estab.	77						78	
State	N. Y.						Penn.	
Reference	1889	1890	1890	1891	1892	1894	1898	
Occupation	Sidewalk Layers	Sidewalk-Helpers	Stone-cutters	Teamsters	Grinders	Laborers	Packers	
Sex	Male	Male	Male	Male	Male	Male	Female	
Base wages	\$2.00	\$1.00	\$2.00	\$2.00	\$1.00 <sup>1</sup>	\$1.05	\$.12 <sup>2</sup>	
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860 Jan.	12 100	6 100	12 100	1 100	— —	5 100	2 100	
July	15 100	7 100	15 100	1 100	— —	5 100	2 100	
1861 Jan.	10 100	5 100	10 100	1 100	1 100	9 101	5 100	
July	12 100	6 100	12 100	1 100	1 100	2 103	5 100	
1862 Jan.	8 100	4 100	8 100	1 100	2 92	8 103	7 100	
July	9 100	4 100	8 100	1 100	1 84	10 106	15 100	
1863 Jan.	6 113	4 125	6 113	1 100	1 84	9 113	15 100	
July	6 113	4 125	6 113	1 100	1 84	5 116	11 100	
1864 Jan.	8 138	3 175	8 138	1 100	3 111	8 115	12 100	
July	8 138	4 175	8 138	1 100	2 142	5 149	12 100	
1865 Jan.	7 175	3 250	7 175	1 100	1 134	5 152	11 100	
July	8 175	4 250	7 175	1 100	1 134	4 167	9 100	
1866 Jan.	8 175	3 275	8 175	1 100	— —	4 167	12 100	
July	8 188	4 275	8 188	1 100	— —	4 167	12 100	
1867 Jan.	— —	— —	— —	— —	— —	2 151	1 100	
July	— —	— —	— —	— —	— —	2 159	1 100	
1868 Jan.	— —	— —	— —	— —	— —	2 159	2 100	
July	— —	— —	— —	— —	— —	2 159	2 100	
1869 Jan.	— —	— —	— —	— —	— —	9 145	7 100	
July	8 213	4 325	8 213	1 100	— —	5 163	8 100	
1870 Jan.	6 213	3 325	6 213	1 100	— —	6 161	12 100	
July	8 213	4 325	8 213	1 100	— —	6 161	11 100	
1871 Jan.	5 213	3 325	5 213	1 100	— —	4 167	10 83	
July	7 200	4 300	7 200	1 100	2 175	6 161	12 83	
1872 Jan.	4 200	2 300	4 200	1 100	1 200	7 147	17 83	
July	6 200	3 300	6 200	1 100	1 200	6 151	10 83	
1873 Jan.	5 200	3 300	5 200	1 100	2 192	12 152	15 83	
July	7 200	4 300	7 200	1 100	2 192	4 167	16 83	
1874 Jan.	5 200	3 300	5 200	1 100	3 156	7 145	16 83	
July	7 200	4 225	7 200	1 100	3 195	6 156	12 83	
1875 Jan.	6 175	3 225	6 175	1 100	3 195	6 159	11 83	
July	8 175	4 200	8 175	1 100	3 195	6 159	15 83	
1876 Jan.	5 150	3 200	5 150	1 100	3 195	4 167	13 83	
July	7 150	4 200	7 150	1 100	3 195	4 167	11 83	
1877 Jan.	6 150	4 200	6 150	1 100	3 195	5 149	2 83	
July	8 150	3 200	8 150	1 100	3 211	3 175	2 83	
1878 Jan.	7 150	3 200	7 150	1 100	3 211	4 147	2 83	
July	8 150	3 200	8 150	1 100	3 184	4 139	2 83	
1879 Jan.	4 150	2 200	4 150	1 100	2 184	4 147	21 83	
July	6 150	3 200	6 150	1 100	2 184	5 133	18 83	
1880 Jan.	5 150	3 200	5 150	1 100	2 184	8 133	20 75	
July	6 150	3 200	6 150	1 100	1 167	5 140	20 75	

<sup>1</sup> January, 1861. <sup>2</sup> Per gross.

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry Spices—(Con.)				Stone				
No. of estab.	78		79		80		81	
State	Penn.		Conn.		Conn.		Md.	
Reference	1399		1409		1415		1426	
Occupation	Foremen		Foremen		Foremen		Foremen	
Sex	Male		Male		Male		Male	
Base wages	\$1.50		\$1.435		\$1.80 and \$1.18		\$1.465 and \$1.90	

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Stone—(Con.)						
No. of estab.		81						
State		Md.						
Reference		1427	1428	1430	1432	1435	1436	1436
Occupation		Marble						
Sex		Engineers	Laborers	Cutters	Polishers	Rubbers	Teamsters	Watchmen
		Male	Male	Male	Male	Male	Male	Male
Base wages		\$1.50	\$1.125	\$2.00	\$1.15	\$1.085	\$1.125	\$1.00
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	1 100	2 100	7 100	5 100	6 100	2 100	1 100	1 100
July	1 100	2 100	7 113	5 100	4 101	2 100	1 100	1 100
1861 Jan.	— —	2 100	6 104	4 98	4 101	— —	1 100	1 100
July	— —	— —	4 100	1 87	3 100	— —	1 72	1 72
1862 Jan.	— —	— —	— —	— —	2 104	1 100	— —	— —
July	— —	— —	— —	— —	1 92	1 89	— —	— —
1863 Jan.	1 89	2 89	— —	2 87	5 92	1 89	1 100	1 100
July	1 111	3 111	7 113	3 109	5 115	1 100	1 100	1 100
1864 Jan.	1 111	3 111	6 113	3 120	5 118	1 111	1 100	1 100
July	1 145	2 141	8 145	3 140	10 151	1 133	1 125	1 125
1865 Jan.	1 145	3 148	9 163	4 149	9 154	1 148	1 125	1 125
July	1 145	3 148	9 163	4 149	11 153	1 148	1 125	1 125
1866 Jan.	1 145	3 158	8 163	3 155	9 149	2 163	1 125	1 125
July	1 145	3 158	8 163	3 155	9 150	2 163	1 125	1 125
1867 Jan.	1 145	4 152	8 163	4 153	7 152	2 156	1 125	1 125
July	1 145	4 152	8 174	4 153	7 154	2 163	1 125	1 125
1868 Jan.	1 145	4 152	8 175	— —	9 152	2 163	1 125	1 125
July	1 145	4 152	9 175	4 153	10 152	2 148	1 125	1 125
1869 Jan.	1 145	4 152	9 175	5 142	9 152	1 148	1 125	1 125
July	1 145	4 156	9 175	7 151	10 154	2 141	1 125	1 125
1870 Jan.	1 145	4 156	10 175	8 150	11 154	3 148	1 143	1 143
July	1 145	4 156	10 175	8 153	11 154	3 148	1 143	1 143
1871 Jan.	1 145	4 156	11 175	9 152	10 154	3 148	1 143	1 143
July	1 145	4 156	11 175	9 152	10 154	3 148	1 143	1 143
1872 Jan.	1 145	3 158	11 175	9 150	10 154	3 148	1 143	1 143
July	1 145	3 158	11 175	9 150	10 154	3 148	1 143	1 143
1873 Jan.	1 145	3 158	11 173	10 148	12 154	3 148	1 143	1 143
July	1 145	3 158	11 173	10 148	12 154	3 148	1 143	1 143
1874 Jan.	1 145	3 158	9 172	10 148	12 154	3 148	1 143	1 143
July	1 145	3 158	9 172	10 151	12 154	3 148	1 143	1 143
1875 Jan.	1 145	4 152	11 172	10 151	12 154	3 144	1 143	1 143
July	1 145	4 152	11 172	10 151	12 154	3 144	1 143	1 143
1876 Jan.	1 145	4 152	13 169	12 141	11 154	3 144	1 143	1 143
July	1 145	4 152	13 168	12 141	11 154	3 144	1 143	1 143
1877 Jan.	1 145	3 143	11 142	6 138	10 138	3 133	1 129	1 129
July	1 145	3 143	11 140	6 138	10 138	3 133	1 129	1 129
1878 Jan.	1 145	3 143	8 136	5 123	8 138	3 119	1 129	1 129
July	1 145	3 143	8 136	6 135	10 138	3 133	1 129	1 129
1879 Jan.	1 145	3 131	8 136	9 113	11 115	3 111	1 107	1 107
July	1 145	3 131	8 136	9 113	11 115	3 111	1 107	1 107
1880 Jan.	1 145	3 131	8 125	11 114	11 115	3 111	1 107	1 107
July	1 145	3 131	8 125	11 114	11 115	3 111	1 107	1 107

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Stone—(Con.)						White Lead	
No. of estab.		82		83		84		85	
State		N. Y.		N. Y.		Penn.		Penn.	
Reference		1440	1443	1446	1448	1450	1451	1453	
Occupation		Marble Cutters	Marble Polishers	Marble Rubbers	Granite Cutters	Laborers	Stone Cutters	Engineers	
Sex		Male	Male	Male	Male	Male	Male	Male	
Base wages		\$2.00	\$1.315	\$1.155	\$2.25	\$1.25	\$1.50	\$1.50	
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860	Jan.	5 100	2 100	8 100	1 100	1 100	1 100	1 100	1 100
	July	8 102	2 100	14 99	1 100	1 100	3 117	1 100	
1861	Jan.	6 87	3 92	12 95	2 83	1 100	2 100	1 100	
	July	8 78	3 79	12 88	1 89	1 100	4 117	1 100	
1862	Jan.	5 74	2 81	6 88	2 89	1 100	2 100	1 111	
	July	6 86	3 83	9 88	2 83	1 100	6 117	1 111	
1863	Jan.	4 88	3 89	10 98	2 89	1 100	2 133	1 111	
	July	9 98	5 106	10 113	2 94	1 120	5 133	1 111	
1864	Jan.	9 108	4 112	7 119	4 97	1 120	4 158	1 133	
	July	9 131	5 156	11 160	6 133	1 120	8 179	1 133	
1865	Jan.	9 136	7 156	7 166	6 133	1 120	3 206	1 117	
	July	11 149	15 166	6 181	8 133	1 120	5 203	1 117	
1866	Jan.	13 146	12 157	5 195	7 133	1 120	4 217	1 117	
	July	21 148	9 153	7 200	7 157	1 120	7 217	1 117	
1867	Jan.	16 152	15 146	8 200	7 157	1 120	4 217	1 117	
	July	15 174	10 162	7 206	6 181	1 120	9 220	1 117	
1868	Jan.	11 167	16 154	8 172	11 180	1 120	4 250	1 117	
	July	14 173	7 171	6 222	14 190	1 120	5 250	1 133	
1869	Jan.	13 182	6 166	5 204	2 205	1 120	4 250	1 133	
	July	13 180	13 181	6 256	7 203	1 120	9 170	1 133	
1870	Jan.	16 166	13 173	6 244	6 187	1 120	3 222	1 133	
	July	12 155	14 159	5 238	5 187	1 120	7 229	1 133	
1871	Jan.	15 156	14 161	5 238	4 190	1 120	5 227	1 133	
	July	21 161	17 171	5 238	5 192	1 120	11 232	1 133	
1872	Jan.	13 167	15 161	3 238	3 189	2 120	13 235	1 133	
	July	2 158	10 167	3 245	5 187	2 140	23 251	1 133	
1873	Jan.	20 173	20 166	4 232	4 189	2 140	15 251	1 133	
	July	19 165	17 166	4 225	2 178	2 140	25 251	1 133	
1874	Jan.	14 159	8 164	3 231	3 185	2 140	14 250	2 117	
	July	15 158	20 164	6 227	4 183	2 140	28 251	2 117	
1875	Jan.	14 155	11 169	6 227	4 183	5 140	20 250	2 117	
	July	19 153	13 169	7 222	3 178	4 140	31 251	2 117	
1876	Jan.	16 150	16 162	5 225	2 178	5 140	29 249	2 117	
	July	11 147	7 152	4 200	1 178	5 140	19 230	1 117	
1877	Jan.	11 144	8 145	7 179	3 133	1 140	12 219	1 117	
	July	15 141	12 132	7 173	4 117	4 120	8 221	1 111	
1878	Jan.	18 133	13 132	4 179	2 133	4 140	4 208	1 111	
	July	14 125	8 124	4 162	5 131	5 144	4 208	1 111	
1879	Jan.	12 125	5 125	4 162	3 118	1 160	6 172	1 111	
	July	13 121	9 119	5 158	1 167	3 140	24 140	1 111	
1880	Jan.	12 121	8 125	4 165	2 139	2 140	19 137	1 117	
	July	17 122	10 133	6 166	11 111	3 140	26 168	1 117	



TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	No. of estab.	White Lead				Woolen Goods		
		85		86		86		
State		Penn.		Conn.		Conn.		
Reference		1457	1460	1463	1464	1466	1468	1469
Occupation		Laborers (Boys)		Card Cleaners		Card Tenders		Drawers-in
Sex		Male	Male	Male	Male	Male	Male	Female
Base wages		\$1.12	\$0.635	\$1.145	\$0.69	\$0.60	\$1.50	\$0.62
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	18 100	5 100	1 100	1 100	6 100	1 100	1 100	1 100
July	15 100	5 105	1 100	2 100	4 104	1 100	2 89	
1861 Jan.	16 101	3 105	1 100	1 112	5 107	—	—	—
July	15 102	2 92	1 100	1 112	5 105	—	—	1 100
1862 Jan.	15 104	1 105	1 100	1 188	8 106	—	—	1 119
July	14 104	1 105	1 100	1 100	8 101	—	—	1 119
1863 Jan.	9 112	1 92	1 125	4 103	4 108	1 108	1 119	
July	8 112	3 101	2 125	5 104	7 105	—	—	2 119
1864 Jan.	6 110	2 118	—	4 109	6 113	—	—	—
July	4 143	1 105	1 150	5 112	6 99	1 108	1 124	
1865 Jan.	1 156	2 98	1 150	2 154	7 143	2 108	1 202	
July	5 156	4 105	1 150	3 115	7 137	1 108	1 202	
1866 Jan.	8 156	4 105	1 150	3 138	9 123	1 150	1 222	
July	6 156	3 96	1 150	6 121	6 130	1 150	—	—
1867 Jan.	5 156	2 118	1 150	7 123	3 130	—	—	1 243
July	4 156	3 118	1 150	6 141	5 120	—	—	1 202
1868 Jan.	2 156	1 105	1 162	6 142	4 121	—	—	1 202
July	3 149	2 131	1 175	6 153	6 113	—	—	1 202
1869 Jan.	1 179	2 131	1 175	7 149	4 120	—	—	1 202
July	1 179	1 131	1 175	4 150	7 111	—	—	1 202
1870 Jan.	1 89	1 79	1 175	5 157	5 105	1 183	1 202	
July	2 89	1 79	1 175	4 150	7 107	1 183	1 202	
1871 Jan.	2 100	—	1 175	4 150	7 114	1 183	2 202	
July	1 149	1 79	1 175	3 170	8 106	1 183	1 202	
1872 Jan.	—	1 79	1 175	3 162	6 107	1 183	2 202	
July	2 112	2 105	1 175	3 169	9 100	1 192	—	—
1873 Jan.	2 134	4 118	1 175	5 144	6 106	1 192	—	—
July	3 156	3 114	1 175	4 131	5 112	1 192	2 206	
1874 Jan.	6 156	2 131	1 175	4 141	7 102	1 192	3 218	
July	6 156	2 131	1 175	2 141	8 109	1 192	3 198	
1875 Jan.	4 156	1 131	1 175	6 147	9 100	1 192	3 170	
July	2 123	—	1 175	4 144	8 98	1 192	3 185	
1876 Jan.	2 123	1 131	1 175	7 127	5 99	1 183	2 161	
July	2 123	3 131	1 175	7 133	7 101	1 183	2 194	
1877 Jan.	3 134	1 131	1 150	7 127	6 101	1 183	1 202	
July	5 113	1 79	1 150	7 127	6 98	1 183	3 235	
1878 Jan.	7 112	2 79	1 150	9 121	4 93	1 183	3 223	
July	8 112	2 92	1 150	6 131	6 98	1 183	3 244	
1879 Jan.	11 110	2 105	1 150	7 127	6 98	1 183	1 239	
July	17 111	1 118	1 125	3 163	7 103	1 183	1 269	
1880 Jan.	19 103	2 125	1 125	3 174	2 103	1 183	2 247	
July	13 106	—	1 150	4 166	4 103	1 183	2 311	

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Woolen Goods—(Con.)						
No. of estab.		86						
State		Conn.						
Reference	1473	1476	1477	1480	1481	1481	1482	
Occupation	Fullers and Giggers	Handers-in	Loom Fixers	Overseers Carding Dept.	Overseers Dye-House	Overseers Finishing Dept.	Overseers Fulling and Giggering Dept.	
Sex	Male	Female	Male	Male	Male	Male	Male	
Base wages	\$ .84	\$ .50	\$ 1.25 <sup>1</sup>	\$ 2.00	\$ 1.80	\$ 1.875	\$ 1.375	
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860 Jan.	4 100	1 100	— —	1 100	1 100	1 100	1 100	
July	8 88	— —	— —	1 100	1 100	1 100	1 109	
1861 Jan.	3 107	— —	— —	1 125	1 100	1 100	1 109	
July	6 93	1 60	1 100	1 125	1 100	1 100	1 109	
1862 Jan.	10 94	1 60	1 100	1 88	1 83	1 100	1 109	
July	8 95	1 60	3 93	1 125	1 83	1 109	1 109	
1863 Jan.	3 107	1 60	2 110	1 150	1 83	1 218	1 109	
July	12 86	2 60	3 113	1 150	1 83	1 218	1 95	
1864 Jan.	9 87	— —	2 125	1 150	1 125	1 218	1 84	
July	3 149	1 90	2 176	1 150	1 128	1 218	1 98	
1865 Jan.	6 168	1 96	2 192	1 180	1 167	1 262	1 145	
July	6 151	1 120	2 160	1 190	1 167	1 262	1 120	
1866 Jan.	9 152	1 90	1 160	1 190	1 167	1 262	1 120	
July	10 154	— —	2 150	1 190	1 167	1 262	1 120	
1867 Jan.	11 158	— —	3 153	1 175	1 167	1 262	1 120	
July	11 158	2 80	3 153	1 175	1 167	1 262	1 120	
1868 Jan.	9 148	2 80	3 141	1 158	1 181	1 236	— —	
July	11 147	2 80	3 147	1 163	1 208	1 236	— —	
1869 Jan.	11 147	2 80	3 147	1 163	1 208	1 236	— —	
July	12 147	2 80	4 140	1 163	1 208	1 236	— —	
1870 Jan.	11 146	2 80	4 145	1 175	1 208	1 182	1 200	
July	12 146	2 80	4 145	1 175	1 208	1 182	1 200	
1871 Jan.	13 142	2 80	4 145	1 175	1 222	1 182	1 200	
July	14 145	2 80	3 139	1 200	1 222	1 182	1 200	
1872 Jan.	14 147	2 80	4 142	1 200	1 222	1 182	1 200	
July	14 148	2 80	5 138	1 200	1 222	1 182	1 200	
1873 Jan.	14 148	2 80	4 144	1 200	1 222	1 200	1 200	
July	13 154	2 80	4 144	1 200	1 222	1 200	1 200	
1874 Jan.	13 152	3 80	4 165	1 163	1 111	1 200	1 200	
July	9 156	3 80	4 162	1 175	1 125	1 291	1 200	
1875 Jan.	13 148	3 80	4 163	1 175	1 139	1 164	1 200	
July	12 149	3 80	3 164	1 175	1 139	1 164	1 200	
1876 Jan.	10 135	2 80	2 160	1 163	1 139	1 164	1 164	
July	13 136	2 80	3 160	1 175	1 153	1 164	1 164	
1877 Jan.	12 137	3 80	3 160	1 175	1 153	1 164	1 164	
July	14 136	3 80	5 164	1 175	1 167	1 164	1 164	
1878 Jan.	11 139	3 80	4 155	1 175	1 167	1 164	1 182	
July	12 139	3 80	4 170	1 163	1 167	1 218	1 182	
1879 Jan.	13 138	3 80	4 148	1 163	1 167	1 218	1 182	
July	12 140	1 80	3 160	1 175	1 167	1 218	1 182	
1880 Jan.	8 134	2 80	3 160	1 150	1 167	1 218	1 <sup>1</sup> 182	
July	7 139	2 80	3 156	1 163	1 181	1 218	1 182	

<sup>1</sup> July, 1861.

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry No. of estab.	Woolen Goods—(Con.)							
	87 Mass.				88 R. I.			
Reference	1504	1506	1508	1508	1510	1514	1515	
Occupation	Dyehouse	Loom	Overseers	Overseers	Overseers	Alley		
	Hands	Finers	Carding	Dyehouse	Weaving	Boys	Burlers	
Sex	Male	Male	Male	Male	Male	Male	Female	
Base wages	\$1.65	\$1.25	\$2.00	\$2.00	\$1.75	\$1.63	\$1.54	
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860 Jan.	22 100	1 100	1 100	1 100	1 100	3 100	4 100	
July	16 94	1 100	1 100	1 75	1 100	3 100	5 100	
1861 Jan.	16 101	1 100	1 115	1 75	1 100	3 100	5 100	
July	23 99	—	1 115	1 75	2 107	3 100	5 100	
1862 Jan.	29 98	1 140	—	1 113	1 114	3 100	6 100	
July	29 102	1 140	1 115	1 113	1 114	3 79	6 100	
1863 Jan.	19 119	3 122	1 115	2 119	1 114	3 79	7 100	
July	22 119	—	1 115	1 125	1 171	3 79	8 100	
1864 Jan.	24 119	6 127	—	2 128	—	3 92	9 100	
July	18 122	6 148	2 128	1 150	1 171	3 92	10 107	
1865 Jan.	12 155	13 164	2 128	1 150	1 171	3 100	14 107	
July	15 156	9 164	1 125	1 150	1 229	3 100	14 117	
1866 Jan.	16 195	7 192	1 150	1 175	1 229	2 100	16 124	
July	15 195	7 192	1 150	1 175	1 229	3 113	16 131	
1867 Jan.	12 167	6 190	1 150	1 175	1 329	4 113	16 131	
July	9 166	8 152	1 150	1 150	1 171	4 113	16 131	
1868 Jan.	8 153	8 152	1 150	1 150	1 171	4 113	16 131	
July	8 173	8 152	1 150	1 150	1 171	4 113	16 139	
1869 Jan.	9 168	8 148	1 150	1 150	1 171	4 113	16 143	
July	7 173	8 141	1 150	1 150	1 171	4 113	16 154	
1870 Jan.	9 178	8 140	1 150	1 150	1 200	4 119	18 151	
July	8 173	8 146	1 150	1 150	1 200	5 117	19 151	
1871 Jan.	9 173	9 162	1 150	1 175	1 171	5 117	19 151	
July	8 173	7 157	1 150	1 175	1 171	5 132	19 151	
1872 Jan.	13 135	9 164	1 200	1 150	1 200	7 132	21 149	
July	9 175	8	1 250	1 150	1 200	8 129	21 150	
1873 Jan.	8 178	11 161	1 200	1 150	1 200	8 133	20 150	
July	6 178	10 162	1 200	1 150	1 200	8 115	23 137	
1874 Jan.	7 178	10 162	1 200	1 150	1 200	7 133	23 146	
July	8 178	9 164	1 200	1 150	1 200	6 133	22 148	
1875 Jan.	7 176	9 161	1 200	1 150	1 200	6 133	22 148	
July	8 175	7 160	1 200	1 150	1 200	6 133	22 148	
1876 Jan.	8 175	8 155	1 200	1 150	1 229	6 133	22 148	
July	8 175	8 158	1 200	1 150	1 229	6 122	22 144	
1877 Jan.	—	—	—	—	—	6 122	22 144	
July	4 154	6 137	1 175	1 113	1 171	6 122	22 144	
1878 Jan.	7 152	5 140	1 175	1 113	1 171	6 122	22 144	
July	7 152	6 140	1 175	1 113	1 171	6 122	22 144	
1879 Jan.	6 154	6 140	1 175	1 113	1 186	6 122	22 144	
July	8 154	6 140	1 175	1 113	1 186	6 122	22 144	
1880 Jan.	9 154	6 140	1 175	1 113	1 186	7 121	19 132	
July	10 171	15 145	1 175	1 125	1 200	7 121	19 132	

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry	Woolen Goods—(Con.)							
No. of estab.	88							
State	Rhode Island							
Reference	1517	1518	1522	1523	1524	1525	1527	
Occupation	Card					Filling	Filling	
Sex	Feeders	Cleaners	Drawers-in	Dressers	Dyers	Carriers	Sorters	
Base wages	Male	Male	Female	Male	Male	Male	Male	
	\$1.58	\$1.83	\$1.00	\$1.00	\$1.10	\$1.12	\$1.21	
	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	
	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	
1860 Jan.	5 100	2 100	1 100	2 100	1 100	1 100	1 100	
July	5 100	2 90	1 100	2 100	1 100	1 100	1 100	
1861 Jan.	5 100	3 90	1 100	2 92	1 109	1 100	1 100	
July	5 100	3 90	1 100	2 92	1 114	1 100	1 100	
1862 Jan.	5 100	4 90	1 104	2 92	1 114	1 112	1 103	
July	5 86	5 90	1 104	2 92	1 114	1 112	1 103	
1863 Jan.	1 86	5 90	1 104	2 92	1 109	1 112	1 110	
July	1 86	5 90	1 104	2 92	1 114	1 112	1 110	
1864 Jan.	1 122	4 100	1 104	2 92	1 114	1 112	1 110	
July	1 122	4 100	1 104	2 92	1 114	1 119	1 110	
1865 Jan.	1 143	2 86	1 104	2 100	1 114	1 119	1 110	
July	1 143	2 86	1 104	2 117	1 114	1 127	1 110	
1866 Jan.	1 152	2 88	—	2 125	1 114	1 127	1 114	
July	1 159	3 80	—	2 150	1 118	1 127	1 117	
1867 Jan.	1 138	3 80	—	2 150	1 123	1 127	1 117	
July	1 138	3 80	—	2 150	1 127	1 127	1 110	
1868 Jan.	1 138	3 80	—	3 150	1 132	1 119	1 110	
July	1 138	3 80	—	3 150	1 132	1 112	1 110	
1869 Jan.	1 138	3 80	—	3 150	1 132	1 100	1 116	
July	1 138	3 80	—	4 175	1 127	1 96	1 120	
1870 Jan.	3 143	12 121	—	4 175	1 121	3 95	2 124	
July	3 143	12 121	—	4 175	1 121	3 95	2 124	
1871 Jan.	4 136	12 121	—	4 175	1 136	3 99	2 124	
July	4 136	12 121	—	4 175	1 136	3 99	2 124	
1872 Jan.	2 143	12 127	—	4 175	1 136	3 99	2 124	
July	2 143	12 127	—	4 175	1 136	3 104	2 145	
1873 Jan.	3 139	12 128	—	4 175	1 136	3 104	2 145	
July	3 146	12 128	—	4 175	1 136	3 104	2 165	
1874 Jan.	3 123	12 111	—	4 150	1 115	3 88	2 140	
July	3 150	12 125	—	4 150	1 136	3 104	2 165	
1875 Jan.	3 150	12 125	—	4 167	1 136	3 104	2 165	
July	3 150	12 125	—	4 167	1 136	3 104	2 165	
1876 Jan.	3 150	12 125	—	4 167	1 136	3 104	2 165	
July	3 124	12 105	—	4 167	1 102	3 88	2 130	
1877 Jan.	3 124	12 105	—	4 175	1 102	3 99	2 130	
July	3 124	12 107	—	4 175	1 102	3 99	2 130	
1878 Jan.	3 124	12 108	—	4 175	1 121	3 99	2 130	
July	3 124	12 108	—	4 175	1 121	3 99	2 130	
1879 Jan.	3 124	12 108	—	4 175	1 121	3 104	2 130	
July	3 124	12 108	—	4 175	1 121	3 104	2 130	
1880 Jan.	3 124	9 115	—	2 150	1 116	2 134	3 113	
July	3 116	9 115	—	2 150	1 116	2 134	3 113	

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Woolen Goods—(Con.)						
No. of estab.		88						
State		Rhode Island						
Reference		1887	1881	1882	1883	1884	1885	1886
Occupation	Sex	Finishers	Fullers	Giggers	Handers-in	Laborers	Overseers	Overseers
		Male	Male	Male	Female	Dyehouse	Dept.	Dyehouse
Base wages		\$ .79	\$1.17	\$ .79	\$ .46	\$ .96	\$1.75	\$1.67
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860	Jan.	2 100	1 100	2 100	2 100	2 100	1 100	1 100
	July	2 100	1 100	2 100	2 100	2 100	1 100	1 100
1861	Jan.	2 100	1 100	2 100	2 100	1 100	1 100	1 105
	July	2 100	1 100	2 95	2 100	1 100	1 100	1 105
1862	Jan.	2 100	1 100	2 95	2 100	1 100	1 100	1 105
	July	3 95	1 103	2 105	2 109	1 100	1 100	1 120
1863	Jan.	3 95	1 103	2 105	2 109	1 100	1 143	1 120
	July	3 95	1 107	2 105	2 109	1 96	1 143	1 120
1864	Jan.	3 116	1 107	2 127	2 109	1 96	1 157	1 120
	July	3 116	1 107	2 127	2 109	1 100	1 157	1 120
1865	Jan.	3 127	1 107	2 127	2 109	1 104	1 200	1 120
	July	3 127	1 114	2 127	2 109	2 104	1 200	1 120
1866	Jan.	3 127	1 114	2 142	2 109	3 104	1 200	1 120
	July	3 137	1 114	2 148	2 109	3 104	1 229	1 120
1867	Jan.	3 137	1 114	2 148	2 109	4 104	1 229	1 135
	July	3 137	1 114	2 148	2 109	3 104	1 229	1 135
1868	Jan.	3 137	1 114	2 148	2 109	4 104	1 229	1 135
	July	3 137	1 114	2 158	2 109	5 104	1 229	1 150
1869	Jan.	3 127	1 114	2 158	2 109	4 104	1 229	1 150
	July	3 127	1 114	3 158	2 109	5 104	1 229	1 180
1870	Jan.	5 127	1 128	4 158	2 109	4 96	1 257	1 150
	July	5 127	1 128	3 158	2 109	2 78	1 229	1 150
1871	Jan.	5 127	1 128	3 158	2 109	1 86	1 200	1 180
	July	5 127	1 128	3 158	2 109	1 86	1 200	1 150
1872	Jan.	6 123	1 128	3 158	2 109	1 86	1 200	1 150
	July	6 127	1 128	4 158	2 109	1 86	1 286	1 150
1873	Jan.	6 132	1 128	3 158	2 109	1 86	1 229	1 150
	July	6 132	1 128	4 158	2 109	1 86	1 229	1 150
1874	Jan.	6 112	1 109	3 135	2 109	1 86	1 194	1 150
	July	6 132	1 128	4 158	2 109	1 86	1 171	1 150
1875	Jan.	6 132	1 128	4 158	2 109	1 96	1 200	1 150
	July	6 132	1 128	4 158	2 109	1 96	1 229	1 150
1876	Jan.	6 122	1 128	3 158	2 109	1 96	1 180	1 150
	July	6 111	1 128	3 127	2 109	1 96	1 180	1 150
1877	Jan.	7 113	1 128	4 127	2 109	1 96	1 180	1 150
	July	7 118	1 128	4 127	2 109	1 96	1 180	1 150
1878	Jan.	7 131	1 128	3 127	2 109	1 96	1 180	1 150
	July	7 131	1 128	4 127	2 109	1 96	1 180	1 150
1879	Jan.	7 131	1 128	4 127	2 109	1 96	1 180	1 150
	July	7 131	1 128	3 127	2 109	1 96	1 180	1 150
1880	Jan.	5 124	1 128	3 131	4 125	5 115	1 229	1 225
	July	5 124	1 128	3 131	4 125	5 115	1 229	1 225

TABLE 5—(CONTINUED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Woolen Goods—(Con.)							
No. of estab.		88							
State		Rhode Island							
Reference		1537	1538	1539	1539	1541	1542	1544	1546
		Overseers	Overseers	Overseers					
Occupation		Finishing Dept.	Spinning Dept.	Weaving Dept.	Pickers	Pressmen	Scourers	Second Hands	Section Hands
Sex		Male	Male	Male	Male	Male	Male	Male	Male
Base wages		\$1.50	\$1.33	\$1.33	\$1.21	\$1.00	\$.83	\$1.145	\$1.00
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860	Jan.	1 100	1 100	1 100	1 100	1 100	1 100	3 100	2 100
	July	1 100	1 110	1 107	1 100	1 100	1 100	3 102	2 100
1861	Jan.	1 100	1 110	1 107	1 100	1 100	1 106	3 102	2 100
	July	1 100	1 113	1 107	1 100	1 100	1 106	3 103	2 100
1862	Jan.	1 100	1 113	1 107	1 100	1 100	1 106	3 104	2 100
	July	1 100	1 113	1 107	1 100	1 100	1 106	3 104	2 100
1863	Jan.	1 100	1 126	1 113	1 110	1 100	1 106	3 119	2 113
	July	1 100	1 126	1 113	1 110	1 100	1 111	3 119	2 113
1864	Jan.	1 111	1 150	1 126	1 117	1 104	1 111	3 132	2 100
	July	1 111	1 150	1 126	1 117	1 104	1 111	3 132	2 125
1865	Jan.	1 111	1 150	1 138	2 124	1 108	1 111	3 132	2 125
	July	1 111	1 150	1 138	2 124	1 117	1 111	3 132	2 125
1866	Jan.	1 111	1 150	1 150	2 124	1 117	1 111	3 132	2 133
	July	1 136	1 201	1 150	2 131	1 121	1 116	3 128	2 150
1867	Jan.	1 133	1 201	1 150	2 124	1 117	1 116	3 135	2 150
	July	1 133	1 150	1 150	2 124	1 117	1 120	3 131	2 150
1868	Jan.	1 133	1 150	1 150	2 124	1 117	1 120	3 128	2 150
	July	1 133	1 150	1 150	2 120	1 117	1 120	3 119	2 150
1869	Jan.	1 133	1 169	1 150	2 112	1 125	1 133	3 119	2 175
	July	1 150	1 188	1 169	2 112	1 125	1 139	3 120	2 200
1870	Jan.	1 150	1 207	1 169	5 103	1 125	1 151	3 119	6 192
	July	1 167	1 207	1 169	5 103	1 125	1 151	3 119	6 192
1871	Jan.	1 183	1 207	1 169	3 103	1 125	1 151	3 126	6 200
	July	1 200	1 207	1 177	3 103	1 125	1 151	3 126	6 200
1872	Jan.	1 217	1 207	1 177	3 103	1 125	1 151	3 133	6 200
	July	1 217	1 207	1 177	3 103	1 125	1 151	3 133	6 200
1873	Jan.	1 217	1 207	1 177	3 103	1 125	1 151	3 155	6 204
	July	1 217	1 207	1 177	3 103	1 125	1 151	3 155	6 204
1874	Jan.	1 183	1 176	1 177	3 88	1 107	1 135	3 135	6 174
	July	1 217	1 207	1 188	3 88	1 125	1 135	3 138	6 199
1875	Jan.	1 217	1 188	1 188	3 88	1 125	1 135	3 138	6 204
	July	1 217	1 207	1 207	3 88	1 125	1 135	3 138	6 204
1876	Jan.	1 217	1 207	1 207	3 88	1 125	1 135	3 138	6 204
	July	1 180	1 169	1 226	3 83	1 100	1 135	3 126	6 175
1877	Jan.	1 180	1 169	1 226	3 83	1 100	1 135	3 126	6 200
	July	1 167	1 169	1 226	3 83	1 100	1 135	3 126	6 200
1878	Jan.	1 167	1 169	1 188	3 83	1 100	1 135	3 126	6 200
	July	1 167	1 169	1 188	3 83	1 100	1 135	3 126	6 200
1879	Jan.	1 167	1 169	1 184	3 83	1 100	1 135	3 123	6 200
	July	1 167	1 169	1 184	3 83	1 100	1 135	3 126	6 200
1880	Jan.	1 150	1 207	1 178	3 92	1 110	2 136	4 130	5 200
	July	1 133	1 207	1 178	3 92	1 115	2 136	4 130	5 200

TABLE 5—(CONCLUDED).

*Relative rates of wages from Table XII of the "Aldrich Report."*

Industry		Woolen Goods—(Concluded)							
No. of estab.		88							
State		Rhode Island							
Reference		1549	1550	1553	1554	1556	1557	1558	1558
Occupation		Shearers	Spinners, Jack	Twisters	Washers	Sorters	Watchmen	Weavers	Weavers
Sex		Male	Male	Female	Male	Male	Male	Male	Female
Base wages		\$1.00	\$.95	\$.67	\$.92	\$.92	\$1.05	\$.94	\$.70
		Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
		No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages	No. wages
1860 Jan.	1	100	7 100	1 100	2 100	1 100	1 100	10 100	12 100
July	1	100	7 100	1 100	2 100	1 100	1 100	11 98	9 103
1861 Jan.	1	100	7 100	1 100	2 100	1 100	1 100	11 101	10 104
July	1	100	7 100	1 100	2 109	1 100	1 100	10 102	11 107
1862 Jan.	1	100	7 100	1 100	3 109	1 100	1 100	7 104	13 117
July	1	100	9 100	1 100	4 109	1 100	1 100	8 106	13 120
1863 Jan.	1	100	9 105	1 100	5 101	1 109	1 100	10 110	11 116
July	1	100	9 105	1 100	5 111	1 109	1 100	10 105	10 127
1864 Jan.	1	104	9 125	1 106	4 127	1 109	1 100	10 106	13 130
July	1	104	9 125	1 124	4 127	1 122	1 100	9 115	11 143
1865 Jan.	1	108	16 123	1 124	4 132	1 122	1 105	7 117	13 140
July	1	117	16 123	1 124	4 132	1 136	1 105	10 119	9 147
1866 Jan.	1	117	19 126	1 137	4 136	1 136	1 114	6 126	20 151
July	1	117	19 126	1 137	5 145	1 136	1 119	13 129	20 149
1867 Jan.	2	117	19 138	1 137	5 145	1 136	1 129	17 134	15 153
July	2	117	19 138	1 137	5 145	1 136	1 129	13 130	20 150
1868 Jan.	2	117	19 134	1 137	5 136	1 136	1 129	12 135	23 156
July	2	125	19 136	1 137	5 136	1 136	1 129	14 127	20 157
1869 Jan.	2	125	19 137	1 137	5 136	1 136	1 129	15 129	17 160
July	3	125	19 142	1 149	5 136	1 136	1 133	15 128	17 157
1870 Jan.	3	125	19 141	8 149	5 136	1 136	1 133	26 135	16 164
July	3	125	19 139	8 149	5 136	1 136	1 129	28 137	20 171
1871 Jan.	3	125	19 140	8 149	5 136	1 136	1 138	26 140	25 169
July	3	125	19 138	8 149	5 136	1 136	1 129	30 141	27 170
1872 Jan.	3	125	19 139	8 149	5 136	1 136	1 129	33 143	26 174
July	3	125	19 137	8 149	5 136	1 136	1 133	27 140	22 173
1873 Jan.	3	125	19 136	8 149	5 136	1 145	1 138	29 138	23 169
July	3	125	19 138	8 149	5 136	1 145	1 138	30 144	22 171
1874 Jan.	3	107	19 139	8 127	5 116	1 123	1 138	33 143	23 174
July	3	125	19 137	8 149	5 136	1 145	1 138	27 140	22 176
1875 Jan.	3	125	20 140	8 149	5 136	1 145	1 138	29 141	30 177
July	3	125	20 136	8 149	5 136	1 145	1 133	30 144	31 174
1876 Jan.	3	125	20 135	8 149	5 136	1 145	1 133	33 140	32 179
July	3	100	20 134	8 149	5 109	1 136	1 138	32 147	33 177
1877 Jan.	3	100	20 137	8 134	5 109	1 136	1 138	34 145	31 176
July	3	100	20 138	8 132	5 109	1 136	1 138	35 144	28 180
1878 Jan.	3	100	20 136	8 131	5 109	1 136	1 138	36 146	30 183
July	3	100	20 135	8 131	5 109	1 136	1 138	34 140	31 186
1879 Jan.	3	100	20 131	8 131	5 109	1 136	1 138	33 141	34 184
July	3	100	20 133	8 131	5 109	1 147	1 138	32 139	35 181
1880 Jan.	3	110	10 131	8 123	6 122	1 136	1 138	34 140	32 177
July	3	110	10 132	6 122	6 122	1 136	1 138	35 138	30 176

TABLE 6.

*Relative wages from Weeks's Report in Volume XX of the Tenth Census:  
by years, 1860-1880.*

NOTE.—The following table presents the 1,447 series of relative rates of wages from which the summary tables of Chapter IV, Section ii, were constructed. The series are arranged by establishments, the establishments by industries, and the industries alphabetically by titles. All the textile industries are grouped together under the letter T, and the wood-working industries under the letter W. This order is that of the source. To facilitate reference to the original data, the page of the census volume on which the returns for each establishment are given is indicated. The "base wages" are the rates prevailing in 1860, or, when data for 1860 are missing, in 1861. For further explanations see pp. 92, 175, 176.



TABLE 6.  
*Relative wages from Weeks's Report in Volume XI of the Tenth Census: by Years, 1860-1880.*

Agricultural Implements.					Boots and Shoes.				Maryland, Baltimore, p. 19.											
Ohio, Massillon, p. 9.					Indiana, Lafayette, p. 17.				Buttner											
					Cutler		Fitter		Overseer or Lacer		Outier		Fitter		Overseer		Packer			
					Sole		Upper		Day		Month		Day		Month		Day		Month	
					Painter		Molder		Day		Day		Day		Day		Day		Day	
					Molder		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day		Day	
					Finisher		Laborer		Day		Day		Day		Day		Day			

TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

P. 19—(Con.).	Boots and Shoes—(Con.).						Breweries and Distilleries.						Brick Making.			
	Massachusetts, p. 21.						Ohio, Columbus, p. 25.						Mo., St. Louis, p. 31.			
	Treer	Cutter	Edge-setter	Finisher	Fitter	Packer	Treer	Trimmer	Cellar-man	Laborer	Malster	Teamster	Boy	Carpenter		
Base wage	\$1.25	\$1.33	\$2.00	\$1.17	\$0.50	\$1.50	\$1.50	\$2.00	\$1.15	\$0.76	\$1.15	\$0.96	\$0.78	\$1.50		
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day		
1860	100	100	—	—	100	100	100	—	100	100	100	100	100	100		
1861	100	100	100	100	100	100	133	100	100	100	100	100	—	100		
1862	100	132	130	143	200	117	133	130	117	126	117	120	80	—		
1863	120	132	125	143	200	133	167	125	133	151	133	140	111	—		
1864	120	150	138	172	250	133	167	138	167	201	167	159	105	—		
1865	120	150	163	172	250	167	183	163	200	228	200	180	168	233		
1866	140	201	163	243	400	167	183	163	200	228	200	180	207	267		
1867	140	201	200	243	400	167	200	200	200	228	200	180	208	200		
1868	140	201	225	243	400	183	233	225	200	228	200	180	160	200		
1869	140	226	225	300	534	183	233	225	200	228	200	159	176	192		
1870	140	226	238	300	534	183	250	238	200	228	200	159	176	233		
1871	140	201	225	257	534	183	300	225	183	201	183	159	176	200		
1872	140	201	200	257	534	167	267	200	183	201	183	159	182	217		
1873	140	201	175	257	534	150	233	175	167	201	167	159	144	192		
1874	140	188	138	129	400	133	183	138	167	201	167	159	128	192		
1875	140	188	113	129	400	133	167	125	167	201	167	159	128	175		
1876	140	188	88	129	400	117	133	100	167	201	167	200	—	175		
1877	140	188	75	107	350	117	200	150	167	201	167	200	105	120		
1878	140	188	75	107	350	117	250	188	167	201	167	200	96	108		
1879	140	188	113	114	300	117	250	188	200	228	183	200	102	107		
1880	140	188	125	114	300	133	267	200	200	228	183	200	96	150		

TABLE 6—(CONTINUED).  
*Relative wages from Vol. XX of the Tenth Census.*

Brick Making--(Con.).																							
St. Louis, { p. 22					New Jersey Trenton, p. 23.																		
Engineer		Laborer		Burner		Carrier		Molder		Off Bearer		Pit Filler		Presser		Butter		Sorter		Teamster		Wheeler	
Base wage	\$1.66	\$1.00	\$1.50	\$1.25	\$1.02	\$0.75	\$1.07 1/2	\$0.60	\$1.25	\$1.25	\$1.03	\$1.10	\$1.00	\$1.10	\$1.00	\$1.00	\$1.00	\$1.10	\$1.00	\$1.00	\$1.10	\$1.10	
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1861	100	88	75	60	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1862	-	113	133	60	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1863	120	138	117	80	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1864	196	175	199	120	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1865	211	200	212	120	154	138	127	142	120	120	154	118	126	114	114	126	154	154	118	126	126	114	
1866	301	200	218	140	185	138	164	167	160	140	170	186	160	186	160	170	170	186	186	160	160	186	
1867	214	188	176	140	185	138	164	167	160	160	170	186	160	186	160	170	170	186	186	160	160	186	
1868	153	175	192	160	216	167	216	167	180	240	185	159	160	159	160	185	185	159	159	160	160	159	
1869	241	200	212	160	216	160	209	183	160	200	185	159	160	186	160	200	200	159	159	160	160	186	
1870	289	200	212	140	216	160	191	200	180	300	185	159	160	186	160	300	300	159	159	160	160	186	
1871	151	188	212	120	216	160	191	200	180	180	201	182	180	182	180	180	201	182	182	175	175	189	
1872	241	188	167	120	216	168	191	200	180	180	201	182	180	182	180	200	201	182	182	175	175	189	
1873	241	213	167	120	216	168	191	200	180	180	201	182	180	182	180	200	201	182	182	175	175	189	
1874	211	164	167	100	216	158	209	189	180	200	216	182	180	182	180	200	216	182	182	150	150	159	
1875	181	163	183	100	185	188	173	183	160	180	185	182	160	182	160	180	185	185	182	160	160	186	
1876	166	175	173	80	185	188	155	167	140	180	170	186	160	186	160	180	170	186	186	160	160	186	
1877	186	130	188	80	154	188	127	167	128	160	139	159	160	159	160	160	139	139	159	150	150	150	
1878	100	130	188	80	154	188	115	167	128	160	139	159	160	159	160	160	139	139	159	150	150	150	
1879	143	138	183	88	154	188	115	167	128	160	139	159	160	159	160	160	139	139	159	150	150	150	
1880	181	150	183	112	154	188	115	167	128	160	139	159	160	159	160	160	139	139	159	150	150	150	

TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

P. 33—(Con.).		Wheeler and Towner		Brick Making—(Con.). Pennsylvania, Philadelphia, p. 34.																							
Year	Base wage	Burner		Carrier Off		Carter		Caver Up		Driver		Engineer		Foreman		Laborer		Molder		Off Bearer		Presser		Sorter		Setter	
		\$1.10	\$2.00	\$0.62	\$1.00	\$0.50	\$1.00	\$1.50	\$1.92	\$1.00	\$1.37½	\$0.75	\$1.50	\$1.50	\$1.00	\$1.37½	\$0.75	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.75	\$1.75	
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	86	
1862	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	86	
1863	100	125	121	112	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	114	
1864	100	138	121	125	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	129	
1865	136	175	161	150	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	171	
1866	159	200	161	150	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	186	
1867	159	250	181	200	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	200	
1868	205	250	202	200	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	229	
1869	182	250	181	200	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	200	
1870	182	250	202	200	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	200	
1871	182	250	202	175	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	200	
1872	182	225	202	175	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	186	
1873	182	225	161	175	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	186	
1874	182	200	161	175	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	171	
1875	182	200	161	175	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	143	
1876	159	175	161	150	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	129	
1877	127	175	161	150	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	129	
1878	123	175	161	150	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	114	
1879	123	150	161	150	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1880	123	175	161	150	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	129	

Brick Making—(Con.).  
Pennsylvania, Philadelphia, p. 34.

TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

P 34—(Con.).	Brick Making.				Wash., D. C., p. 41				Missouri, St. Louis, p. 44				New Jersey, p. 43			
Base wage Year	Watchman				Wheeler				Cigar				Cigars and Tobacco.			
	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	112	104	112	104	112	104	112	104	112	104	112	104	100	100	100	100
1863	112	104	112	104	112	104	112	104	112	104	112	104	100	100	100	100
1864	125	104	112	104	112	104	112	104	112	104	112	104	100	100	100	100
1865	150	125	134	125	134	125	134	125	134	125	134	125	100	100	100	100
1866	150	167	156	167	156	167	156	167	156	167	156	167	100	100	100	100
1867	150	167	179	167	179	167	179	167	179	167	179	167	100	100	100	100
1868	150	167	223	167	223	167	223	167	223	167	223	167	100	100	100	100
1869	150	167	223	167	223	167	223	167	223	167	223	167	100	100	100	100
1870	150	167	223	167	223	167	223	167	223	167	223	167	100	100	100	100
1871	150	167	201	167	201	167	201	167	201	167	201	167	100	100	100	100
1872	150	148	201	148	201	148	201	148	201	148	201	148	100	100	100	100
1873	150	148	179	148	179	148	179	148	179	148	179	148	100	100	100	100
1874	150	148	179	148	179	148	179	148	179	148	179	148	100	100	100	100
1875	150	148	156	148	156	148	156	148	156	148	156	148	100	100	100	100
1876	150	148	156	148	156	148	156	148	156	148	156	148	100	100	100	100
1877	150	125	184	125	184	125	184	125	184	125	184	125	100	100	100	100
1878	125	125	112	125	112	125	112	125	112	125	112	125	100	100	100	100
1879	125	125	112	125	112	125	112	125	112	125	112	125	100	100	100	100
1880	125	125	184	125	184	125	184	125	184	125	184	125	100	100	100	100

TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

P. 45—(Con.).	Cigars and Tobacco.				Kentucky, p. 51.				New Jersey, Newark, p. 51.			
	Stripper		Packer		Cutter		Salesman		Tailor		Tailor	
	Sorter	Stripper	Maker	Stripper	Cutter	Stripper	Day	Day	Day	Day	Day	Day
Base wage	\$2.00	\$1.00	\$1.3333	\$1.75	\$3.84	\$0.25	\$2.56	\$1.75	\$1.1666	\$2.00	\$1.25	\$0.37½
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	—	—	—
1861	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	125	114	125	120	150	129	129	125	100	100
1863	100	100	150	126	133	133	150	171	172	117	100	100
1864	125	100	175	143	125	133	150	171	172	138	100	100
1865	125	100	175	171	125	133	150	171	172	142	120	133
1866	150	100	162	152	125	133	150	157	157	167	130	167
1867	150	100	162	152	125	133	138	157	157	167	140	200
1868	150	100	175	162	125	133	138	157	157	167	140	200
1869	150	100	175	162	125	133	138	157	157	167	140	200
1870	150	100	150	171	125	167	138	157	157	167	140	200
1871	150	100	150	171	125	167	138	143	143	167	140	200
1872	150	100	150	171	125	167	138	143	143	167	140	200
1873	150	100	125	162	125	167	138	143	143	167	140	200
1874	150	100	125	162	125	167	138	143	143	167	130	167
1875	150	100	125	152	125	167	138	143	143	167	130	167
1876	125	100	125	152	125	167	138	143	143	167	130	167
1877	125	100	137	171	125	167	138	143	143	167	120	133
1878	125	100	137	171	125	167	138	143	143	125	120	133
1879	125	100	125	171	125	167	138	143	143	125	120	133
1880	125	100	131	176	125	184	138	143	143	117	120	133

TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Clothing—(Con.).										Flour and Grist Mills.									
New York, Syracuse, p. 52.										Delaware, Stanton, p. 58.					Illinois, Belleville, p. 59.				
Apprentice			Cutter			Machine				Assistant					Assistant				
						Foreman	Woman	Presser	Tailor	Tailress	Trimmer	Miller	Packer	Miller	Engineer	Fireman			
Base wage	\$0.3333	\$1.83	Day	Month	\$0.666	\$1.00	\$1.50	\$0.666	\$0.666	Day	Day	Day	Day	Day	Day	Day	Day		
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
1861	123	123	123	100	113	116	100	100	100	100	100	100	100	100	89	75	75		
1862	123	146	123	125	126	133	111	126	126	100	100	100	100	100	100	100	100		
1863	123	146	123	125	126	150	122	126	126	100	100	100	100	100	138	125	125		
1864	149	160	149	150	126	150	122	126	150	100	100	100	100	100	166	132	175		
1865	149	160	149	150	126	150	122	126	150	100	100	100	100	100	178	136	175		
1866	149	160	149	150	126	133	122	126	150	100	100	100	100	100	200	249	200		
1867	123	159	123	150	125	133	111	125	150	100	100	100	100	100	222	249	200		
1868	123	146	123	150	112	133	111	125	150	100	100	100	100	100	150	232	200		
1869	123	146	123	140	112	133	100	125	150	100	100	100	100	100	178	249	200		
1870	100	146	100	140	112	116	100	125	174	100	100	100	100	100	178	249	200		
1871	100	146	100	125	125	116	89	112	174	100	100	100	100	100	178	249	200		
1872	100	146	100	125	125	100	89	112	174	100	100	100	100	100	178	249	200		
1873	100	146	100	125	125	100	100	125	200	100	100	100	100	100	178	249	200		
1874	100	146	100	125	125	116	100	125	200	100	100	100	100	100	178	235	175		
1875	100	146	100	140	125	116	100	125	200	100	100	100	100	100	178	200	175		
1876	100	150	100	140	150	116	100	125	225	100	100	100	100	100	178	200	150		
1877	123	159	123	140	150	116	100	125	249	100	100	100	100	100	178	200	150		
1878	123	164	123	150	150	133	111	125	249	100	100	100	100	100	178	200	185		
1879	150	164	150	150	150	133	100	125	249	89	100	100	89	100	178	200	185		
1880	150	164	150	150	150	133	100	125	249	89	100	100	89	100	178	200	185		















TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Base wage Year	Flint Glass—(Con.).			Ice.			Iron Blast Furnace N. Y., p. 115.		
	Packer			Hook.			Teamster Blacksmith		
	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100
1862	89	90	83	100	117	125	125	125	91
1863	119	120	83	100	133	125	125	125	100
1864	148	160	122	200	200	150	125	125	119
1865	160	160	133	200	167	150	125	125	145
1866	148	169	144	200	183	150	125	125	164
1867	—	—	—	200	200	150	150	150	182
1868	—	—	—	200	175	150	150	150	191
1869	—	—	—	233	200	175	150	150	191
1870	—	—	—	233	175	160	175	175	209
1871	—	—	—	200	175	140	150	150	200
1872	133	180	167	200	183	150	150	150	200
1873	142	180	167	200	167	150	150	150	218
1874	142	168	133	185	167	200	150	150	218
1875	133	160	122	185	133	140	150	150	200
1876	133	160	133	185	133	160	175	175	200
1877	126	150	156	175	133	160	175	175	178
1878	119	140	139	165	100	160	—	—	171
1879	119	140	139	165	100	160	125	125	145
1880	126	160	167	200	117	175	150	150	167
							175	175	208

TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Iron Blast Furnace—(Con.).														
P. 115—(Con.)					New York.					Pennsylvania, Catasauqua, p. 116.				
Blacksmith's					Cinder					Blacksmith B'l's'm's B'l's'm'				
Helper					Man					Boos Helper Journeyman Engineer				
Base wage					Carpenter					Keeper's				
Year					Filler					Helper				
Day					Bottom					Keeper				
\$1.25					Day					\$1.25				
1860					1860					1860				
1861					1861					1861				
1862					1862					1862				
1863					1863					1863				
1864					1864					1864				
1865					1865					1865				
1866					1866					1866				
1867					1867					1867				
1868					1868					1868				
1869					1869					1869				
1870					1870					1870				
1871					1871					1871				
1872					1872					1872				
1873					1873					1873				
1874					1874					1874				
1875					1875					1875				
1876					1876					1876				
1877					1877					1877				
1878					1878					1878				
1879					1879					1879				
1880					1880					1880				

TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Iron Blast Furnaces—(Con.).

Pennsylvania, Catawauqua, p. 117.

Base wage Year	Bottom Filler				Carpenter				Common				Engineer				Foreman of Machine				Keeper's							
	Boss Laborer		Boss Mason		Top Filler		Brakeman		Boss		Journeyman		Laborer		(L/m'tive)		Fireman		Shop		Founder		Keeper		Helper		Machinist	
	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	97	100	100	90	100	100	100	100	100	100	100	97	94	100	100	95	101	100	100	100	100	100	100	100	100	100	100
1862	100	97	104	100	106	108	108	113	106	98	100	100	106	98	100	100	102	103	100	100	100	100	100	100	100	100	100	100
1863	113	125	108	120	114	120	141	106	121	121	114	100	106	121	121	114	100	107	100	100	100	100	100	100	100	100	100	100
1864	125	172	154	160	129	160	181	121	156	130	133	135	137	150	137	150	137	150	137	150	137	150	137	150	137	150	137	150
1865	125	156	149	175	135	160	178	141	161	130	133	130	136	161	130	133	130	136	161	130	133	130	136	161	130	133	130	136
1866	138	172	148	185	143	168	191	145	170	127	133	129	135	143	127	133	129	135	143	127	133	129	135	143	127	133	129	135
1867	138	172	155	180	143	176	194	145	174	127	148	135	141	143	127	148	135	141	143	127	148	135	141	143	127	148	135	141
1868	150	219	160	180	143	160	184	145	174	127	148	140	148	161	127	148	140	148	161	127	148	140	148	161	127	148	140	148
1869	150	203	166	180	143	180	188	145	174	127	148	146	152	196	127	148	146	152	196	127	148	146	152	196	127	148	146	152
1870	150	188	166	180	143	180	181	145	174	124	172	146	152	196	124	172	146	152	196	124	172	146	152	196	124	172	146	152
1871	150	172	166	180	135	170	175	145	174	140	172	146	152	196	140	172	146	152	196	140	172	146	152	196	140	172	146	152
1872	150	172	188	190	143	176	181	158	179	160	172	165	172	214	160	172	165	172	214	160	172	165	172	214	160	172	165	172
1873	150	172	194	195	143	176	181	158	188	176	172	170	178	214	176	172	170	178	214	176	172	170	178	214	176	172	170	178
1874	113	141	127	158	126	152	156	136	147	160	172	111	112	169	160	172	111	112	169	160	172	111	112	169	160	172	111	112
1875	113	131	122	145	120	140	138	118	134	160	137	100	107	150	160	137	100	107	150	160	137	100	107	150	160	137	100	107
1876	113	125	110	135	114	128	125	127	134	160	137	90	96	143	160	137	90	96	143	160	137	90	96	143	160	137	90	96
1877	113	94	99	135	114	128	113	127	134	160	137	81	89	143	160	137	81	89	143	160	137	81	89	143	160	137	81	89
1878	113	78	99	125	114	128	113	127	134	160	137	81	89	143	160	137	81	89	143	160	137	81	89	143	160	137	81	89
1879	113	78	99	110	103	116	106	121	121	160	137	81	89	126	160	137	81	89	126	160	137	81	89	126	160	137	81	89
1880	—	—	109	110	114	128	125	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



TABLE 6—(CONTINUED).  
*Relative wages from Vol. IX of the Tenth Census.*

P. 117—(Con.).										Iron Blast Furnace—(Con.).										Ohio, Youngstown, p. 122.									

TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Iron Blast Furnace—(Con.).																	Maryland, Baltimore, p. 128.																
Ohio, Youngstown.																																	
Bottom Filler and Top Filler																																	
Cinder Man																																	
Common Laborer																																	
Founder																																	
Keeper																																	
Helper																																	
Manager																																	
Metal Carrier																																	
Blast Engineer																																	
Coal Raker																																	
Collier																																	
Filler																																	
Keeper																																	
Base wage																																	
Top Filler																																	
Carpenter																																	
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TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

P. 128—(Con.).			Mo., Pilot Knob, p. 129			Iron Blast Furnaces—(Con.).			Pa., Boiling Springs, p. 132.		
Keeper's			Filler			Filler			Filler		
Helper			Manager			Keeper			Laborer		
Base wage			Year			Day			Day		
1860			1860			1860			1860		
1861			1861			1861			1861		
1862			1862			1862			1862		
1863			1863			1863			1863		
1864			1864			1864			1864		
1865			1865			1865			1865		
1866			1866			1866			1866		
1867			1867			1867			1867		
1868			1868			1868			1868		
1869			1869			1869			1869		
1870			1870			1870			1870		
1871			1871			1871			1871		
1872			1872			1872			1872		
1873			1873			1873			1873		
1874			1874			1874			1874		
1875			1875			1875			1875		
1876			1876			1876			1876		
1877			1877			1877			1877		
1878			1878			1878			1878		
1879			1879			1879			1879		
1880			1880			1880			1880		
1859.			1859.			1859.			1859.		

TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

P. 132—(Con.).	Iron Blast Furnaces—(Con.).		Pa., Boiling Springs.		Stove Foundries.		Ill., Quincy, p.141.		Cupola-		Filer		Finisher		Foreman	
	Guttermen		Keeper's		Laborer Ore-miner		Teamster		Blacksmith		Carpenter		Cleaner		Engineer	
	Base wage	Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Month
1860	\$1.10	100	100	\$1.30	\$1.10	\$1.00	\$1.00	\$1.00	\$1.50	\$1.50	\$1.50	\$1.25	\$1.25	\$1.25	\$1.75	\$80.00
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	117	117	117	120	120	100	114	113
1863	100	100	100	100	100	100	100	100	117	133	133	120	120	140	114	113
1864	100	100	100	100	100	100	100	100	133	133	150	140	140	140	114	125
1865	100	100	100	100	100	100	100	100	133	133	167	140	140	140	129	125
1866	100	100	100	100	100	100	100	100	133	167	167	140	140	140	129	125
1867	100	100	100	100	100	100	100	100	133	167	167	120	120	120	129	125
1868	100	100	100	100	100	100	100	100	117	150	150	120	120	120	114	125
1869	100	100	100	100	100	100	100	100	117	150	150	120	120	120	114	125
1870	91	77	91	91	100	100	100	100	100	167	167	120	120	120	114	125
1871	91	77	91	91	100	100	100	100	100	167	167	120	120	120	114	125
1872	91	77	91	91	100	100	100	100	100	167	167	120	120	120	129	125
1873	91	77	91	91	100	100	100	100	100	167	167	120	120	120	129	125
1874	91	77	91	91	100	100	100	100	100	150	150	100	100	120	114	156
1875	91	77	91	91	90	100	100	100	100	150	150	100	100	120	114	156
1876	91	77	91	91	90	100	100	100	100	150	150	100	100	120	114	156
1877	91	77	91	91	90	100	100	100	100	150	150	100	100	120	114	156
1878	91	77	91	91	90	100	100	100	100	167	167	120	120	120	114	156
1879	91	77	91	91	90	100	100	100	100	167	167	120	120	120	129	156
1880	91	77	91	91	90	100	90	100	100	167	167	120	120	120	129	156

TABLE 6—(CONTINUED).

*Relative wages from Vol. XX of the Tenth Census.*

P. 81—(Con.)	Mass., Cambridge—(Con.).				Flint Glass—(Con.).				Pa. Pittsburg, p. 85.						
	Packer	Pottler	Potmaker	Presser	Sticker-up	Teaser	Carrying-in	Clay	Cutter	Foreman	Journeyman	Driver	Finisher	Gatherer	Laborer
Base wage	\$1.50	\$1.50	\$2.00	\$1.50	\$ .75	\$1.50	Boy	Tramper		\$21.00	\$7.37	\$7.00	\$2.58	\$1.12	\$5.00
Year	Day	Day	Day	Day	Day	Day	Day	Week	Week	Week	Week	Week	Day	Day	Week
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1863	100	100	100	100	100	100	100	108	105	100	105	100	131	136	120
1864	117	133	100	133	167	133	100	108	105	100	105	100	131	136	120
1865	117	133	100	133	167	133	100	108	105	100	105	100	131	136	120
1866	117	133	100	133	167	133	133	169	143	170	186	186	196	176	200
1867	117	133	100	133	167	133	117	169	143	170	186	186	184	158	200
1868	117	133	100	133	167	133	117	169	143	170	186	186	184	158	200
1869	117	133	100	133	167	133	117	169	143	170	186	186	184	158	200
1870	133	133	100	200	167	133	117	169	143	170	186	186	184	312	200
1871	133	133	100	200	167	133	117	169	143	170	186	186	184	312	200
1872	133	133	100	200	167	133	100	169	114	183	200	200	155	268	200
1873	133	133	100	200	167	133	100	169	110	176	200	200	155	246	200
1874	133	133	100	200	167	133	100	169	110	176	200	200	155	246	200
1875	133	133	100	200	167	133	100	169	110	176	200	200	155	246	200
1876	133	133	100	200	167	133	100	169	110	176	200	200	155	246	200
1877	133	133	100	200	167	133	100	169	110	176	200	200	155	246	200
1878	133	133	100	200	167	133	100	154	110	176	193	193	155	246	180
1879	133	133	100	200	167	133	100	154	110	176	193	193	155	246	180
1880	133	133	100	200	167	133	100	154	110	176	193	193	155	246	180

TABLE 6—(CONTINUED).

*Relative wages from Vol. XX of the Tenth Census.*

P. 143—(Con.).			Mass., Taunton.			Stove Foundries—(Con.).						Mo., St. Louis, p. 144.			
Finisher		Foreman	Grinder	Laborer	Melter	Melter's Helper		Molder	Mounter	Carpenter	Cleaner	Cupola-man	Engineer	Filer	Foreman
Base wage	Day	Month	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Month
1860	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	160	100	180	120	150	133
1863	86	100	83	80	67	83	80	75	180	100	100	180	120	150	133
1864	91	100	93	96	75	93	90	95	160	100	100	180	120	200	133
1865	114	113	100	120	92	100	110	113	147	100	100	180	120	200	133
1866	143	113	117	140	83	117	140	138	147	100	100	165	107	225	167
1867	143	150	117	140	83	117	140	138	147	100	100	165	107	225	167
1868	171	150	117	140	83	111	150	150	147	100	100	165	107	225	167
1869	171	150	117	130	83	111	150	150	147	100	100	165	107	225	167
1870	171	188	117	140	94	111	160	163	108	100	100	125	107	225	167
1871	157	195	117	140	94	117	150	150	108	100	100	125	107	225	167
1872	157	195	117	140	94	117	150	150	108	100	100	125	107	225	167
1873	157	195	117	130	92	117	150	150	108	100	100	125	107	225	167
1874	157	225	117	140	92	117	150	150	108	100	100	112	100	225	167
1875	157	225	117	140	92	117	150	150	115	100	100	112	100	200	167
1876	129	125	117	120	67	100	120	137	108	100	100	112	100	200	167
1877	129	125	100	106	63	89	110	125	108	100	100	112	100	200	167
1878	129	125	100	100	63	89	110	113	108	100	100	112	100	150	167
1879	107	100	89	100	75	89	100	100	108	100	100	112	100	150	167
1880	114	100	100	120	75	100	104	113	103	100	100	120	100	150	167

TABLE 6-2 (CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Stove Foundries—(Con.).										Pa., Philadelphia, p. 148.				Hardware, Cutlery and Edge Tools.			
P. 144—(Con.)				Mo., St. Louis.				Molder's				Connecticut, p. 157.					
Laborer		Melter	Molder	Mounter	Teamster	Engineer	Finisher	Laborer	Molder	Apprentice	Blacksmith	Engineer	Foreman	Forger			
Base wage	\$1.50	\$1.54	\$2.00	\$2.00	\$2.50	\$1.50	\$1.1533	\$1.08	\$1.54	\$1.2467	\$2.00	\$2.00	\$60.00	\$9.12			
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Month	Day			
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100			
1861	133	110	100	100	100	138	80	84	98	81	100	100	100	100			
1862	133	180	100	100	100	138	101	81	128	81	118	118	125	118			
1863	150	180	250	100	100	138	94	100	71	52	135	118	135	139			
1864	150	180	250	100	100	138	207	121	128	90	138	118	135	141			
1865	147	180	250	111	100	139	170	132	218	78	138	135	135	141			
1866	—	165	200	113	77	156	188	136	184	85	150	135	135	135			
1867	—	165	200	113	77	167	204	151	218	97	150	135	135	138			
1868	—	165	200	113	77	139	218	158	238	102	150	118	135	158			
1869	—	165	200	113	77	122	192	130	162	66	150	118	135	158			
1870	141	125	193	103	77	130	187	177	214	75	150	118	135	158			
1871	—	125	—	125	80	122	147	159	189	77	150	118	135	158			
1872	—	125	—	125	80	125	149	152	228	75	150	118	135	158			
1873	—	125	—	125	80	153	161	164	209	75	150	118	135	158			
1874	—	112	—	125	77	178	178	142	169	78	138	118	135	141			
1875	143	112	166	113	77	140	198	98	190	81	138	118	135	141			
1876	—	112	—	125	77	134	135	154	166	86	138	118	135	141			
1877	—	112	—	125	77	126	158	127	176	92	138	118	135	141			
1878	—	112	—	125	77	136	157	138	178	89	138	118	135	141			
1879	—	112	—	125	77	136	166	139	185	85	138	118	135	141			
1880	106	120	130	110	77	121	170	118	200	74	150	118	135	158			

TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

P. 157—(Con.).	Connecticut.										Connecticut, p. 159.										Mass., Chicopee, p. 159.	
	Hardware, Cutlery and Edge Tools—(Con.).																					
	Grinder	Helper	Laborer	Machinist	Packer	Polisher	Temperer	Blacksmith	Foreman	Galvinizer	Grinder	Packer	Blacksmith	Foreman								
Base wage	\$1.75	\$1.50	\$1.00	\$2.00	\$1.50	\$1.75	\$1.50	\$1.50	\$65.00	\$1.25	\$1.00	\$2.00	\$2.00	\$71.50								
Year	Day	Day	Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day	Month								
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100								
1861	100	100	100	100	100	100	100	100	100	112	100	113	100	109								
1862	114	117	125	113	117	114	117	107	100	112	100	113	100	109								
1863	129	117	125	113	117	114	117	107	100	112	100	113	113	109								
1864	143	133	125	113	133	129	133	107	100	112	100	113	125	127								
1865	143	133	125	125	133	129	133	110	100	112	110	125	138	145								
1866	157	150	150	125	133	129	150	110	108	120	110	125	138	145								
1867	157	150	150	125	133	129	150	110	108	120	110	125	138	145								
1868	157	150	150	113	133	129	150	113	108	120	110	125	138	145								
1869	157	150	150	113	133	129	150	113	108	120	110	125	150	145								
1870	157	133	150	113	133	129	150	113	108	120	110	125	150	145								
1871	157	133	150	113	133	129	150	113	115	120	115	130	150	145								
1872	157	133	150	113	133	129	150	113	115	120	115	130	150	145								
1873	143	133	150	113	133	129	143	113	115	120	115	130	150	145								
1874	143	117	140	100	125	114	133	123	115	128	115	140	138	145								
1875	143	117	140	100	125	114	133	123	123	128	120	140	138	145								
1876	143	117	140	100	125	114	133	123	123	128	120	140	125	145								
1877	129	117	135	100	125	114	133	123	123	128	120	150	113	145								
1878	129	117	125	100	125	114	133	133	138	140	125	150	125	145								
1879	129	117	125	100	125	114	133	133	138	140	125	150	125	145								
1880	143	133	135	113	133	114	133	150	138	140	125	150	138	127								



TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Iron Blast Furnace—(Con.).										Pennsylvania, Catasauqua, p. 116.									
P. 115—(Con.)					New York.					Blacksmith Bl'ks'm's Bl'ks'm'					Blacksmith Bl'ks'm's Bl'ks'm'				
Blacksmith's Blast					Cinder Common					Keeper's					Boss				
Helper Engineer					Carpenter					Foundry					Manager				
Base wage					Filler					Day					Month				
Year					Day					Day					Day				
Week					Day					Day					Day				
1860					100					100					100				
1861					88					88					100				
1862					94					94					100				
1863					100					100					100				
1864					117					125					113				
1865					130					167					145				
1866					120					164					140				
1867					140					164					145				
1868					150					164					145				
1869					140					125					145				
1870					128					175					145				
1871					140					190					145				
1872					140					142					145				
1873					140					190					145				
1874					120					142					145				
1875					120					142					145				
1876					96					131					145				
1877					88					135					145				
1878					88					135					145				
1879					80					135					145				
1880					—					—					—				



TABLE 6—(CONTINUED).  
*Relative wages from Vol. XX of the Tenth Census.*

P. 164—(Con.).	Machinery.										Missouri, St. Louis, p. 172.									
	Ind., La Fayette, p. 171.					Blacksmith's Draughts-					Engineer					Laborer Machinist				
	Blacksmith's					Pattern-					Blacksmith Helper					Blacksmith's				
Base wage	Helper	Second Blacksmith	Blacksmith	Helper	Laborer Machinist	Molder	Pattern-maker	Apprentice	Blacksmith	Helper	man	Engineer	man	Laborer	Machinist	man	Engineer	man	Laborer	Machinist
Year	\$1.00	\$2.00	\$1.25	\$1.00	\$1.75	\$1.75	\$1.75	\$1.75	\$1.60	\$1.00	\$1.60	\$1.25	\$1.60	\$1.00	\$1.80	\$1.25	\$1.60	\$1.00	\$1.80	\$1.80
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	83	90	83	100	83	100	90	100	100	100	90	83
1862	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1863	100	125	120	125	129	143	139	100	125	133	125	100	125	100	125	100	100	125	125	125
1864	100	138	120	125	157	157	143	114	179	166	172	120	172	120	125	120	120	125	172	172
1865	100	150	160	150	171	171	143	124	188	200	188	120	188	120	160	188	120	160	188	188
1866	100	150	160	150	171	171	143	124	219	200	219	140	219	140	160	219	140	160	219	219
1867	100	150	160	150	171	171	143	124	203	200	203	140	203	140	160	203	140	160	203	203
1868	100	150	160	150	171	171	143	124	187	183	187	140	187	140	180	187	140	180	187	187
1869	100	150	160	150	171	171	143	124	187	185	187	140	187	140	180	187	140	180	187	187
1870	100	125	120	125	143	143	143	124	187	185	187	140	187	140	180	187	140	180	187	187
1871	100	125	120	125	143	143	143	145	187	180	187	160	187	160	180	187	160	180	187	187
1872	100	125	120	125	143	143	143	145	187	180	187	160	187	160	180	187	160	180	187	187
1873	100	125	120	125	143	143	143	145	187	180	187	160	187	160	180	187	160	180	187	187
1874	100	125	110	125	143	143	143	145	189	180	189	140	189	140	175	189	140	175	189	189
1875	100	125	110	125	143	143	143	145	189	180	189	140	189	140	175	189	140	175	189	189
1876	100	100	104	125	129	114	114	145	156	150	156	140	156	140	150	156	140	150	156	156
1877	100	100	104	125	129	114	114	145	156	150	156	140	156	140	150	156	140	150	156	156
1878	100	100	104	125	129	114	114	145	141	150	141	160	141	160	140	156	160	140	156	156
1879	100	100	104	125	129	114	114	145	141	150	141	160	141	160	140	156	160	140	156	156
1880	100	—	—	—	—	—	—	145	172	166	156	180	156	180	160	156	180	160	156	156





TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Base wage Year	Michigan, Detroit, p. 178—(Con.).										New York, Buffalo, p. 180.									
	Machinery—(Con.).					Machinery—(Con.).					Machinery—(Con.).					Machinery—(Con.).				
	Boiler Helper	Boiler Maker	Riveter	Boiler	Engineer	Laborer	Machinist	Machinist's Helper	Molder	Molder's Helper	Black- smith	Blacksmith's Helper	Boiler Fitter	Boiler Flanger	Boiler Helper	Boiler Fitter	Black- smith	Blacksmith's Helper	Boiler Fitter	Boiler Flanger
1860	\$1.00	\$1.50	\$1.50	\$1.50	\$1.37½	\$0.87½	\$1.50	\$0.87½	\$1.25	\$0.87½	\$1.50	\$0.75	\$1.25	\$1.50	\$0.50	\$1.50	\$1.50	\$0.75	\$1.25	\$1.50
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	109	100	100	100	130	109	117	133	120	117	150	117	133	133	140	133
1863	120	108	108	108	127	114	127	114	140	120	117	133	160	150	200	160	150	133	160	200
1864	175	200	200	200	127	171	167	171	240	171	117	133	180	167	200	180	117	133	180	200
1865	175	200	200	200	127	200	175	186	200	200	117	133	180	167	200	180	117	133	180	200
1866	180	183	183	183	127	186	183	186	220	186	133	167	180	167	200	180	133	167	180	200
1867	175	167	167	167	164	186	183	186	248	200	150	200	200	183	200	200	150	200	200	200
1868	170	175	175	175	145	171	183	171	264	171	150	200	200	183	200	200	150	200	200	200
1869	160	175	175	175	145	171	175	171	264	171	133	167	184	167	180	184	133	167	184	167
1870	170	175	175	175	145	171	175	171	264	171	117	133	176	160	160	176	117	133	176	160
1871	188	150	150	150	145	171	175	171	264	171	160	187	180	167	280	180	160	187	180	280
1872	175	150	150	150	145	171	175	171	264	171	160	187	192	173	300	192	160	187	192	173
1873	175	167	167	167	145	171	183	171	264	183	173	227	200	187	300	200	173	227	200	187
1874	175	167	167	167	145	157	183	171	264	171	173	227	200	187	300	200	173	227	200	187
1875	138	167	167	167	145	149	183	157	220	157	173	227	200	187	300	200	173	227	200	187
1876	138	150	150	150	145	143	167	143	200	157	167	227	—	180	260	—	167	227	—	180
1877	125	150	150	150	131	149	157	149	180	143	167	213	168	180	260	168	167	213	168	180
1878	125	133	133	133	131	149	157	149	180	143	160	200	168	173	280	168	160	200	168	173
1879	125	133	133	133	131	149	157	149	160	143	153	200	168	173	280	168	153	200	168	173
1880	150	150	150	150	131	143	157	149	180	143	150	220	—	180	300	—	150	220	—	180

TABLE 6—(CONTINUED).  
*Relative wages from Vol. XX of the Tenth Census.*

P. 141—(Con.).			Stove Foundries—(Con.).												Illinois, Quincy.			Mass., Taunton, p. 143.											
Base wage Year	Grinder		Laborer		Melter		Melter's Helper		Molder		Molder's Apprentice		Mounter		Pattern- dresser		Pattern- maker		Teamster		Carpenter		Cleaner		Engineer		Filer		
	\$1.25	Day	\$1.25	Day	\$2.00	Day	\$1.75	Day	\$3.00	Day	\$1.50	Day	\$1.50	Day	\$1.50	Day	\$2.00	Day	\$1.25	Day	\$1.75	Day	\$1.50	Day	\$1.75	Day	\$1.50	Day	
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1863	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1864	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1865	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1866	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1867	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1868	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1869	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1870	120	120	120	120	100	100	100	100	117	100	200	133	100	100	133	100	150	150	—	—	157	100	117	157	157	117	117	117	117
1871	120	120	120	120	100	100	100	100	117	100	200	133	117	100	133	117	150	150	—	—	157	117	117	157	157	117	117	117	117
1872	120	120	120	120	100	100	100	100	117	100	200	133	117	100	133	117	150	150	—	—	157	117	117	157	157	117	117	117	117
1873	120	120	120	120	100	100	100	100	117	100	200	133	117	100	133	117	150	150	—	—	157	117	117	157	157	117	117	117	117
1874	100	100	120	88	88	88	86	86	108	100	200	133	100	100	133	100	137	137	—	—	171	117	117	157	157	117	117	117	117
1875	100	100	100	88	88	88	86	86	108	100	200	133	100	100	133	100	137	137	—	—	181	117	117	157	157	117	117	117	117
1876	100	100	100	88	88	88	86	86	108	100	200	133	100	100	133	100	137	137	—	—	143	100	143	100	143	117	117	117	117
1877	100	100	100	88	88	88	86	86	108	100	200	133	100	100	133	100	137	137	—	—	129	89	89	100	100	100	100	100	100
1878	120	120	120	100	100	100	86	86	117	100	200	133	117	100	133	117	150	150	—	—	129	89	89	100	100	100	100	100	100
1879	120	120	120	100	100	100	86	86	117	100	200	133	117	100	133	117	150	150	—	—	86	89	89	100	100	89	89	89	89
1880	120	120	—	—	100	100	86	86	117	100	200	133	117	100	133	117	150	150	—	—	114	100	100	114	100	114	100	100	100

TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

New York, p. 182—(Con.).										Machinery—(Con.).										Indiana, New Albany, p. 185.									
Boiler-maker		Boiler Riveter		Engineer		Machinist		Melter		Molder		Pattern Maker		Blacksmith's Helper		Cleaner		Coremaker		Laborer		Machinist		Molder					
Base wage	\$1.50	\$1.25	\$1.50	\$1.50	\$1.25	\$1.50	\$1.50	\$1.25	\$1.50	\$1.50	\$1.50	\$2.00	\$2.00	\$1.00	\$1.00	\$1.00	\$1.50	\$1.50	\$1.00	\$1.00	\$2.00	\$2.00	\$2.00	\$2.00					
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day					
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100					
1861	100	100	100	100	100	100	100	100	100	100	100	100	125	125	125	125	100	100	100	100	125	125	113	113					
1862	100	100	100	100	100	100	100	100	100	100	100	100	125	125	125	125	100	100	100	100	125	125	113	113					
1863	117	120	100	100	117	120	100	117	120	117	100	100	138	125	125	125	100	100	125	125	138	138	138	138					
1864	167	180	100	100	167	120	133	125	138	133	125	138	125	125	125	125	117	125	125	138	138	138	138	138					
1865	167	180	100	100	167	120	133	120	138	133	125	150	138	125	125	125	117	125	125	138	138	138	138	138					
1866	167	200	100	100	167	120	133	120	138	133	125	150	138	125	125	125	117	125	125	138	138	138	138	138					
1867	167	200	100	100	167	120	138	120	138	133	125	150	138	125	125	125	117	125	125	138	138	138	138	138					
1868	167	200	100	100	167	120	138	120	138	133	125	150	138	125	125	125	117	125	125	138	138	138	138	138					
1869	167	200	100	100	167	120	138	120	138	133	125	150	138	125	125	125	117	125	125	138	138	138	138	138					
1870	167	200	—	—	167	120	138	120	138	133	125	150	138	125	125	125	133	150	150	150	150	150	150	150					
1871	—	—	—	—	—	—	—	—	—	—	—	—	150	150	150	150	133	150	150	150	150	150	150	150					
1872	—	—	—	—	—	—	—	—	—	—	—	—	150	150	150	150	133	150	150	150	150	150	150	150					
1873	—	—	—	—	—	—	—	—	—	—	—	—	150	150	150	150	133	150	150	150	150	150	150	150					
1874	—	—	—	—	—	—	—	—	—	—	—	—	138	125	125	125	133	125	138	125	138	138	138	138					
1875	150	180	—	—	157	—	—	—	—	150	—	150	125	125	125	100	138	100	100	113	113	113	113	113					
1876	—	—	—	—	—	—	—	—	—	—	—	—	125	125	125	100	100	100	100	113	113	113	113	113					
1877	—	—	—	—	—	—	—	—	—	—	—	—	125	125	125	100	100	100	100	113	113	113	113	113					
1878	—	—	—	—	—	—	—	—	—	—	—	—	125	125	125	100	100	100	100	113	113	113	113	113					
1879	—	—	—	—	—	—	—	—	—	—	—	—	125	125	125	100	100	100	100	113	113	113	113	113					
1880	150	180	—	—	150	—	—	—	—	133	—	125	125	125	125	100	100	100	100	138	138	138	138	138					



TABLE 8—(CONTINUED).  
*Relative wages from Vol. XX of the Tenth Census.*

Machinery—(Con.).																												
Ind., New Albany, p. 195. (Con.)				Mass., Worcester, p. 187				Ind. Evansville, p. 191																				
Molder's Helper		Pattern Maker		Teamster		Girl		Machinist		Skilled Workman		Unskilled Workman		Blacksmith		Boiler maker		Engineer		Laborer		Machinist		Painter		Pattern Maker		
Base wage		\$1.00		\$2.00		\$1.25		\$1.50		\$2.10		\$1.10		\$1.75		\$1.57 1/2		\$2.02 1/2		\$1.08 1/2		\$1.55		\$1.62 1/2		\$1.50		
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	200	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	125	100	120	100	98	95	91	114	127	118	112	126	129	123	127	121	125	128	126	124	122	120	118	116	114	112	110	
1862	125	100	120	100	98	95	91	114	127	118	112	126	129	123	127	121	125	128	126	124	122	120	118	116	114	112	110	
1863	150	150	120	118	143	143	136	124	149	138	132	135	138	133	137	131	135	138	136	134	132	130	128	126	124	122	120	
1864	150	150	120	125	150	155	159	176	214	146	183	176	200	244	176	214	146	183	176	200	244	176	200	244	176	200	244	
1865	150	150	120	120	217	238	227	181	222	146	183	194	169	250	181	222	146	183	194	169	250	181	222	146	183	194	169	
1866	150	150	120	188	267	283	278	153	232	146	183	194	169	250	181	222	146	183	194	169	250	181	222	146	183	194	169	
1867	150	150	120	188	200	214	205	177	203	146	171	182	146	238	171	203	146	171	182	146	238	171	203	146	171	182	146	
1868	150	150	120	188	200	190	182	177	203	146	171	182	146	238	171	203	146	171	182	146	238	171	203	146	171	182	146	
1869	150	150	120	188	200	214	182	177	203	146	171	182	146	238	171	203	146	171	182	146	238	171	203	146	171	182	146	
1870	150	150	120	188	200	214	182	177	195	148	171	182	143	238	171	195	148	171	182	143	238	171	195	148	171	182	143	
1871	150	150	120	188	200	190	182	167	195	148	171	182	143	238	171	195	148	171	182	143	238	171	195	148	171	182	143	
1872	150	150	120	188	200	190	182	150	178	210	171	187	135	238	171	178	210	171	187	135	238	171	178	210	171	187	135	
1873	150	150	120	175	183	143	186	149	180	195	156	181	134	200	156	181	195	156	181	134	200	156	181	195	156	181	134	
1874	125	138	120	175	183	143	186	149	163	195	156	177	134	200	156	177	134	156	177	134	200	156	177	134	156	177	134	
1875	113	138	120	175	183	143	186	149	163	195	156	177	134	200	156	177	134	156	177	134	200	156	177	134	156	177	134	
1876	113	125	120	175	183	143	186	149	163	195	156	177	134	200	156	177	134	156	177	134	200	156	177	134	156	177	134	
1877	113	113	120	175	183	143	186	149	163	195	156	177	134	200	156	177	134	156	177	134	200	156	177	134	156	177	134	
1878	113	113	120	175	183	143	186	149	163	195	156	177	134	200	156	177	134	156	177	134	200	156	177	134	156	177	134	
1879	113	125	120	175	183	143	186	149	163	195	156	177	134	200	156	177	134	156	177	134	200	156	177	134	156	177	134	
1880	125	125	120	188	200	214	186	157	157	163	122	140	108	167	122	140	108	122	140	108	167	122	140	108	167	122	140	



TABLE 6 (CONTINUED).  
*Relative wages from Vol. XX of the Tenth Census.*

Base wage Year	Marble Works.										Iron Mining			
	Ind., Lafayette, p. 235					New York, Troy, p. 236					N. Y., Amenia, p. 253		Pa., Hokendagua, p. 254.	
	Carver	Cutter	Letterer	Rubber	Carver	Cutter	Engineer	Letterer	Polisher	Rubber	Teamster	Laborer	Engineer	Miner
	\$2.50	\$1.50	\$2.50	\$1.50	\$2.25	\$2.00	\$1.60	\$2.00	\$1.8333	\$1.8333	\$1.25	\$1.00	\$1.00	\$1.80
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861					100	100	100	100	100	100	100	100	100	100
1862					100	100	100	100	100	100	100	100	100	100
1863	160	167	160	160	100	100	100	100	100	100	100	100	100	100
1864	160	167	160	160	100	100	100	100	100	100	100	100	100	100
1865	160	167	160	160	100	100	100	100	100	100	100	100	100	100
1866	160	167	160	160	100	100	100	100	100	100	100	100	100	100
1867	160	167	160	160	100	100	100	100	100	100	100	100	100	100
1868	160	167	160	160	100	100	100	100	100	100	100	100	100	100
1869	160	167	160	160	100	100	100	100	100	100	100	100	100	100
1870	160	167	160	160	100	100	100	100	100	100	100	100	100	100
1871	160	167	160	160	100	100	100	100	100	100	100	100	100	100
1872	160	167	160	160	100	100	100	100	100	100	100	100	100	100
1873	160	167	160	160	100	100	100	100	100	100	100	100	100	100
1874	140	183	140	117	148	167	122	150	150	150	133	135	135	138
1875	—	—	—	—	156	167	132	150	150	150	133	130	115	125
1876	—	—	—	—	148	150	122	150	150	150	133	104	—	—
1877	120	138	300	100	111	125	122	125	125	125	127	104	90	94
1878	90	100	90	100	111	125	111	125	125	125	127	104	90	94
1879	90	100	90	100	111	113	111	100	125	125	127	104	100	100
1880	80	100	90	100	110	115	111	100	125	125	127	130	100	100









TABLE 6—(CONTINUED).

*Relative wages from Vol. XX of the Tenth Census.*

Paper Manufacture—(Con.).															N. Y., Watertown, p. 282.			
N. Y., Niagara Falls, p. 280—(Con.)																		
Base wage Year	Laborer	Loftman	Machinist		Machine Tender's		Mill- wright	Overseer		Rag Engineer's Helper	Teamster	Calenderer		Finisher, Male		Fireman		
			Day	Day	Day	Day		Room	In Rag			Day	Day	Day	Day		Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
1861	100	100	100	117	113	100	100	100	100	100	100	100	100	100	100	100		
1862	100	113	114	117	113	114	100	100	100	100	100	120	120	100	100	100		
1863	100	125	114	133	125	114	114	100	100	100	100	130	130	106	113	113		
1864	100	125	114	133	125	114	114	100	100	100	100	140	140	120	125	125		
1865	125	125	114	133	125	114	114	100	100	100	100	140	140	140	150	150		
1866	125	125	114	133	125	114	114	100	100	100	100	160	160	140	150	150		
1867	125	125	114	133	125	114	114	100	100	100	100	150	150	180	150	150		
1868	125	125	129	133	125	114	114	100	100	100	100	160	160	200	150	150		
1869	125	125	114	133	125	114	114	100	100	100	100	160	160	200	150	150		
1870	125	125	114	133	150	114	114	120	143	100	100	200	200	240	—	—		
1871	125	125	114	133	150	114	114	120	143	100	100	—	—	—	—	—		
1872	125	125	129	133	150	129	114	120	143	100	100	200	200	240	200	200		
1873	125	125	129	133	150	129	114	120	143	100	100	—	—	—	—	—		
1874	125	125	129	133	150	129	114	120	143	100	100	—	170	160	175	175		
1875	125	125	129	147	150	129	114	120	143	100	100	—	—	—	—	—		
1876	125	125	129	133	150	129	114	120	143	100	100	—	170	160	175	175		
1877	125	125	129	133	150	129	114	120	143	100	100	—	—	—	—	—		
1878	125	125	129	133	150	129	114	120	143	100	100	—	160	160	160	160		
1879	125	125	129	133	150	129	114	120	143	100	100	—	—	—	—	—		
1880	125	125	129	133	150	129	114	120	143	100	100	—	160	160	160	160		



T  
B—(Cont.)

*Relative wages from Vol. XX of the*

Paper Manufacture (Con.).

N. Y., Watertown, p. 282—(Con.)

N. Y., Watertown, p. 282--(con.)																											
Cloverport																											
Folder		Laborer		Leftman		Machine Tender		Room		Rag Engineer		Rag Engineer's Helper		Rag Sorter		Assistant Bleacher		Back-tender		Bleacher Calendarer		Cutter		Finisher			
Unse wage	Year	\$ 50	Day	\$ 1.13	Day	\$ 1.50	Day	\$ 1.00	Day	\$ 1.13	Day	\$ 1.00	Day	\$ 40	Day	\$ 9.186	Day	\$ 8.883	Day	\$ 1.667	Day	\$ 1.25	Day	\$ 50	Day	\$ 1.3333	Day
	1860	100	140	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	1861	100	100	89	89	100	89	100	89	100	89	100	100	125	100	100	100	100	110	100	100	100	100	100	100	100	100
	1862	120	100	100	100	100	100	111	100	111	100	100	100	109	100	109	109	100	100	100	100	98	100	100	100	100	100
	1863	130	117	111	100	113	100	113	100	113	100	113	113	100	100	107	107	140	140	143	138	138	117	128	128	128	128
	1864	140	125	138	138	138	138	125	138	138	138	138	138	175	175	182	182	200	200	172	160	160	160	160	160	160	160
	1865	140	150	177	167	150	166	150	166	150	166	150	150	175	175	201	201	200	200	186	173	187	167	162	162	162	162
	1866	160	150	155	167	150	155	150	155	150	155	150	150	175	175	201	201	220	220	175	160	167	167	150	150	150	150
	1867	150	150	177	167	150	167	150	167	150	167	150	150	175	175	200	200	220	220	171	160	167	167	150	150	150	150
	1868	160	150	155	166	150	155	150	155	150	155	150	150	187	187	200	200	200	200	171	160	167	167	160	160	160	160
	1869	160	150	155	166	150	155	150	155	150	155	150	150	187	187	200	200	220	220	166	173	167	167	175	175	175	175
	1870	200	150	177	200	—	—	—	—	177	150	150	150	200	200	200	200	220	220	182	173	167	167	175	175	175	175
	1871	—	—	—	—	—	—	—	—	—	—	—	—	200	200	200	200	180	180	171	173	167	167	175	175	175	175
	1872	200	175	238	200	—	—	—	—	238	175	175	175	200	200	200	200	220	220	180	173	168	168	175	175	175	175
	1873	—	—	—	—	—	—	—	—	—	—	—	—	300	300	300	300	220	220	180	173	168	168	175	175	175	175
	1874	170	150	—	138	—	—	—	—	177	150	150	150	182	182	200	200	220	220	186	187	200	200	175	175	175	175
	1875	—	—	—	—	—	—	—	—	—	—	—	—	182	182	200	200	220	220	186	187	200	200	175	175	175	175
	1876	170	135	—	150	—	—	—	—	177	140	140	140	182	182	180	180	198	198	187	180	187	180	175	175	175	175
	1877	—	—	—	—	—	—	180	180	—	—	—	—	182	182	180	180	198	198	187	180	187	180	167	167	167	167
	1878	200	118	—	133	160	160	160	160	177	140	140	140	182	182	180	180	198	198	167	168	168	160	167	167	167	167
	1879	200	125	—	—	180	125	—	—	—	—	140	140	182	182	180	180	198	198	167	168	168	160	167	167	167	167
	1880	200	125	—	117	160	125	160	125	155	140	140	140	167	167	200	200	220	220	186	187	200	200	175	175	175	175



TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Paper Manufacture---(Con.).																														
Wisconsin, p. 288 (Con ).																														
Mass, Westfield, p. 289.																														
N. H., Concord, p. 301																														
Base wage Year	Laborer		Machine Tender		Rag Engineer		Rag Engineer's Helper		Rag Sorter		Teamster		Action Maker		All Others		Tuner		Voicer		Action Maker		Case Maker		Mill Hand		Finisher			
	\$1 00	Day	\$1 75	Day	\$1 25	Day	\$1 00	Day	\$ 50	Day	\$1 00	Day	\$2 00	Day	\$1 75	Day	\$3 50	Day	\$3 50	Day	\$1 75	Day	\$1 75	Day	\$1 65	Day	\$1 75	Day		
1860	100		100		100		100		100		100		100		100		100		100		100		100		100		100		100	
1861	100		100		100		100		100		100		100		100		100		100		100		100		100		100		100	
1862	100		100		100		100		100		100		100		100		100		100		100		100		100		100		100	
1863	150		100		140		150		100		150		100		100		100		100		100		100		100		100		100	
1864	150		100		140		150		100		150		100		100		100		100		100		100		100		100		100	
1865	150		114		140		175		125		150		125		125		114		114		114		143		114		121		114	
1866	175		114		140		175		125		175		125		125		114		114		114		143		114		121		114	
1867	175		114		140		175		125		175		125		125		114		114		114		149		128		126		120	
1868	150		114		140		150		135		140		135		138		143		143		143		151		139		138		143	
1869	125		114		120		125		125		125		150		157		143		143		143		154		129		138		143	
1870	100		100		100		110		125		125		163		157		143		143		143		157		143		152		157	
1871	100		100		100		110		125		125		175		171		143		143		143		171		143		152		171	
1872	100		100		100		110		125		125		183		186		143		143		143		171		143		152		171	
1873	100		100		100		110		125		125		200		186		143		143		143		166		157		167		171	
1874	100		100		100		110		125		125		200		186		143		143		143		171		143		153		171	
1875	100		100		100		110		125		125		200		186		157		157		157		157		143		138		157	
1876	100		100		100		110		125		125		184		157		157		157		157		143		143		121		143	
1877	100		100		100		110		125		125		175		157		157		157		157		129		100		108		129	
1878	110		114		120		125		150		125		163		130		157		157		157		114		100		106		114	
1879	110		114		120		125		150		125		113		100		107		107		107		103		100		106		103	
1880	125		114		120		125		150		125		125		114		107		107		107		114		114		121		114	



TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Marble Works.														Iron Mining.														
Ind., Lafayette, p. 235.								New York, Troy, p. 236.								N. Y., Amenia,   p. 253.		Pa., Hokendauqua, p. 254.										
Base wage Year	Carver		Cutter		Letterer		Rubber		Carver		Cutter		Engineer		Letterer		Polisher		Rubber		Teamster		Laborer		Engineer		Miner	
	\$2.50	Day	\$1.50	Day	\$2.50	Day	\$1.50	Day	\$2.25	Day	\$2.00	Day	\$1.50	Day	\$2.00	Day	\$1.3333	Day	\$1.3333	Day	\$1.25	Day	\$1.00	Day	\$1.00	Day	\$1.00	Day
1860	100		100		100		100		100		100		100		100		100		100		100		100		100		100	
1861	—		—		—		—		100		100		111		100		112		112		100		96		—		—	
1862	—		—		—		—		100		100		133		100		112		112		107		96		115		125	
1863	160		167		160		133		111		113		150		100		112		112		120		98		115		125	
1864	160		167		160		133		111		113		150		113		125		112		120		120		175		200	
1865	160		167		160		133		111		113		133		113		131		125		120		159		166		188	
1866	160		167		160		133		133		125		133		125		125		125		120		164		166		188	
1867	160		167		160		133		138		137		117		125		112		112		107		170		166		188	
1868	160		167		160		133		156		138		111		150		150		150		120		170		175		188	
1869	160		167		160		133		156		163		133		150		150		150		133		170		175		188	
1870	160		167		160		133		156		163		133		150		150		150		133		171		160		169	
1871	160		167		160		133		144		163		122		150		150		150		133		168		150		156	
1872	160		167		160		133		144		163		133		150		150		150		133		164		187		188	
1873	160		167		160		133		156		167		133		150		150		150		133		172		175		181	
1874	140		133		140		117		148		167		122		150		150		150		133		135		125		138	
1875	—		—		—		—		156.		167		122		150		150		150		133		120		115		125	
1876	—		—		—		—		148		150		122		150		150		150		133		104		—		—	
1877	120		133		100		100		111		125		122		125		125		125		137		104		90		94	
1878	90		100		90		100		111		125		111		125		125		125		127		104		90		94	
1879	90		100		90		100		111		113		111		100		100		125		127		104		100		100	
1880	90		100		90		100		130		125		111		100		125		125		127		130		100		100	

TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Pottery and Earthenware—(Con.).												Ohio, East Liverpool, p. 299—(Con.).												Ohio, East Liverpool, p. 300.											
												Teamster with																							
												Sagger. Two Horses																							
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TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Pottery and Earthenware—(Con.).

Ohio, East Liverpool, p. 302—(Con.)																				Newark,   p. 302.				O., Liverpool Town- ship, p. 303.							
Base wage Year		Handler		Kiln-man		Laborer		Mold- maker		Packer		Presser		Sagger- maker		Thrower		Turner		Ware-house				Woman		Laborer		Brick- molder		Carpenter	
		\$2.00	\$1.25	\$1.00	\$1.50	\$2.00	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$3.00	\$2.00	\$2.00	\$1.25	\$0.50	\$0.50	\$1.00	\$1.00	\$1.00	\$1.00	\$1.50	\$1.25	\$1.25		
Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day		
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
1862	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1863	113	160	150	150	133	167	167	167	167	167	167	167	167	167	167	167	117	113	160	150	150	150	150	150	150	150	150	150	150		
1864	113	160	150	150	133	167	167	167	167	167	167	167	167	167	167	167	117	113	160	150	150	150	150	150	150	150	150	150	150		
1865	125	180	175	175	150	183	183	183	183	183	183	183	183	183	183	183	133	125	160	160	160	160	160	160	160	160	160	160	160		
1866	125	180	175	175	150	183	183	183	183	183	183	183	183	183	183	183	133	125	160	160	160	160	160	160	160	160	160	160	160		
1867	125	180	175	175	150	183	183	183	183	183	183	183	183	183	183	183	133	125	160	160	160	160	160	160	160	160	160	160	160		
1868	125	180	175	175	150	183	183	183	183	183	183	183	183	183	183	183	133	125	160	160	160	160	160	160	160	160	160	160	160		
1869	125	180	175	175	150	183	183	183	183	183	183	183	183	183	183	183	133	125	160	160	160	160	160	160	160	160	160	160	160		
1870	125	180	175	175	150	183	183	183	183	183	183	183	183	183	183	183	133	125	160	160	160	160	160	160	160	160	160	160	160		
1871	113	160	150	150	133	167	167	167	167	167	167	167	167	167	167	167	100	113	160	160	160	160	160	160	160	160	160	160	160		
1872	113	160	150	150	133	167	167	167	167	167	167	167	167	167	167	167	100	113	160	160	160	160	160	160	160	160	160	160	160		
1873	113	160	150	150	133	167	167	167	167	167	167	167	167	167	167	167	100	113	160	160	160	160	160	160	160	160	160	160	160		
1874	113	160	150	150	133	167	167	167	167	167	167	167	167	167	167	167	100	113	160	160	160	160	160	160	160	160	160	160	160		
1875	113	160	150	150	133	167	167	167	167	167	167	167	167	167	167	167	100	113	160	160	160	160	160	160	160	160	160	160	160		
1876	113	160	150	150	133	167	167	167	167	167	167	167	167	167	167	167	100	113	160	160	160	160	160	160	160	160	160	160	160		
1877	113	160	150	150	133	167	167	167	167	167	167	167	167	167	167	167	100	113	160	160	160	160	160	160	160	160	160	160	160		
1878	113	160	150	150	133	167	167	167	167	167	167	167	167	167	167	167	100	113	160	160	160	160	160	160	160	160	160	160	160		
1879	113	160	150	150	133	167	167	167	167	167	167	167	167	167	167	167	100	113	160	160	160	160	160	160	160	160	160	160	160		
1880	113	160	150	150	133	167	167	167	167	167	167	167	167	167	167	167	100	113	160	160	160	160	160	160	160	160	160	160	160		





TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Tanneries—(Con.).																					
New York, Lancaster, p. 314.											N. Y., Oneida, p. 315.										
Base wage Year	Bark Grinder	Beam Hand	Engineer	Handler		Laborer	Roller	Teamster		Watchman	Hand	Yard	Bark Grinder	Beam Hand	Engineer	Foreman	Laborer				
				Man	Day			Day	Day									Day	Day	Day	Day
1860	100	100	100	\$ .81	\$ .75	\$ .81	\$ .81	\$ .87	100	100	100	\$ .81	\$ .9233	\$1.15	\$1.15	\$40.00	\$ .9233				
1861	100	100	100	Day	100	Day	100	Day	100	Day	100	Day	Day	Day	Day	Month	Day				
1862	167	171	171	169	167	185	185	171	171	171	154	154	100	100	100	100	100				
1863	183	186	186	185	183	201	201	186	186	186	170	124	124	117	117	113	125				
1864	183	186	186	185	183	201	201	186	186	186	170	124	124	117	117	113	125				
1865	200	200	200	201	200	216	216	200	200	200	185	124	124	107	107	105	125				
1866	200	200	200	201	200	216	216	200	200	200	185	146	146	117	117	113	125				
1867	167	171	171	185	167	185	185	171	171	171	154	146	146	117	117	113	125				
1868	167	171	171	185	167	185	185	171	171	171	154	146	146	117	117	125	125				
1869	167	171	171	185	167	185	185	171	171	171	154	154	154	117	117	125	146				
1870	—	171	200	—	167	185	185	—	—	—	—	—	146	134	134	130	146				
1871	—	171	200	—	167	185	185	—	—	—	—	—	150	134	120	125	125				
1872	—	171	200	—	167	185	185	—	—	—	—	—	150	134	120	125	125				
1873	—	171	200	—	167	185	185	—	—	—	—	—	167	127	127	132	158				
1874	—	171	200	—	167	185	185	—	—	—	—	—	167	127	134	135	158				
1875	—	143	171	—	133	154	154	—	—	—	—	—	167	127	134	135	158				
1876	—	143	171	—	133	154	154	—	—	—	—	—	146	117	117	113	125				
1877	—	143	171	—	133	154	154	—	—	—	—	—	146	117	117	113	125				
1878	—	143	171	—	133	154	154	—	—	—	—	—	146	100	117	100	125				
1879	—	143	171	—	133	154	154	—	—	—	—	—	125	87	100	88	125				
1880	—	—	—	—	—	—	—	—	—	—	—	—	125	100	100	88	108				



TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Tanneries—(Con.).														
N. Y., Sanford, p. 316—(Con.)					N. Y., Wellville, p. 318.									
Base wage Year	Handler		Laborer		Roller		Teamster		Watchman		Yard		Bark	
	Man		Day		Day		Day		Day		Day		Day	
	\$ .76	\$ .76	\$ .73	\$ .88	\$ .70	\$ .90	\$ .76	\$ .75	\$ .75	\$ .75	\$ .75	\$ .75	\$ .75	\$ .75
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	102	100	100	100	100	100	100	100	100	100	100
1862	100	105	105	108	107	111	100	100	100	100	100	100	100	100
1863	132	158	125	125	107	139	133	133	100	100	100	100	133	100
1864	132	169	142	142	121	139	132	167	125	100	100	100	167	125
1865	164	173	159	159	136	167	164	167	125	120	120	120	167	125
1866	164	185	159	159	136	194	164	200	150	120	200	200	200	150
1867	164	173	159	159	136	167	164	200	150	120	200	200	200	150
1868	164	185	159	159	143	167	164	200	150	120	150	200	200	150
1869	164	178	159	159	143	167	164	200	150	120	150	200	200	150
1870	164	185	159	159	143	167	164	200	150	120	150	200	200	150
1871	164	178	159	159	143	167	164	167	150	100	200	167	133	125
1872	164	178	159	159	143	156	164	167	150	100	200	167	133	125
1873	164	178	159	159	143	156	164	167	150	120	200	167	167	125
1874	158	173	142	142	143	144	158	167	150	120	200	167	167	125
1875	158	173	142	142	143	144	158	167	150	120	200	167	167	150
1876	145	158	142	142	143	139	145	167	150	120	200	167	167	150
1877	145	132	142	142	143	111	145	167	150	120	200	167	167	150
1878	145	126	142	142	143	111	145	167	150	120	200	167	167	150
1879	145	121	142	142	143	111	145	167	150	120	200	167	167	150
1880	145	126	148	148	143	111	145	167	150	120	200	167	167	150

TABLE 6—(CONTINUED).  
*Relative wages from Vol. XX of the Tenth Census.*

		Paper Manufacture—(Con.).				Pianos and Organs.				N. H., Concord, p. 291.			
		Wisconsin, p. 288—(Con.).				Mass, Westfield, p. 289.							
Base wage Year	Laborer	Machine Tender		Rag Engineer's Helper		Rag Sorter		Teamster		Action Maker		All Others	
		Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
		\$1.00	\$1.75	\$1.25	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$2.00	\$1.75	\$1.75	\$1.75
1860	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	100	100	100	100
1863	150	100	100	100	100	100	100	100	100	100	100	100	100
1864	150	100	100	100	100	100	100	100	100	100	100	100	100
1865	150	114	140	175	125	150	150	150	150	125	129	129	129
1866	175	114	140	175	125	150	150	150	150	125	129	129	129
1867	175	114	140	175	125	150	150	150	150	125	129	129	129
1868	150	114	140	150	125	150	150	150	150	138	143	143	143
1869	125	114	120	125	125	125	125	125	125	150	157	157	157
1870	100	100	100	110	125	125	125	125	125	163	163	163	163
1871	100	100	100	110	125	125	125	125	125	175	171	171	171
1872	100	100	100	110	125	125	125	125	125	188	186	186	186
1873	100	100	100	110	125	125	125	125	125	200	200	200	200
1874	100	100	100	110	125	125	125	125	125	200	200	200	200
1875	100	100	100	110	125	125	125	125	125	200	200	200	200
1876	100	100	100	110	125	125	125	125	125	188	188	188	188
1877	100	100	100	110	125	125	125	125	125	175	175	175	175
1878	110	114	120	125	150	150	150	150	150	163	163	163	163
1879	110	114	120	125	150	150	150	150	150	113	113	113	113
1880	125	114	120	125	150	150	150	150	150	125	125	125	125

TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

P. 324—(Con.)				Carpets—(Con.).																									
				Massachusetts.																									
		Dyer		Finisher		Laborer		Loom		Machinist		Picker		Reeler		Spinner		Jack		Spooler		Teamster		Twister		Warper		Weaver	
Base wage		\$1.38		\$.57		\$.83		\$1.38		\$1.50		\$.83		\$.45		\$.49		\$.73		\$.43		\$.125		\$.46		\$.51		\$.52	
Year		Day		Day		Day		Day		Day		Day		Day		Day		Day		Day		Day		Day		Day		Day	
1860	100	100	—	100	100	100	100	100	100	100	100	100	100	—	—	—	—	—	—	—	—	100	—	—	—	—	—	—	—
1861	100	100	100	100	100	89	100	100	100	89	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	87	100	100	90	100	90	100	91	100	100	90	90	100	98	100	100	100	100	88	100	88	100	100	109	109	127	115	115	115
1863	109	102	111	102	111	100	109	100	109	109	100	100	109	109	98	110	102	102	106	106	102	106	107	107	122	122	135	135	135
1864	115	123	171	123	171	127	133	127	133	133	161	161	156	127	144	144	140	140	140	140	120	120	135	135	163	163	165	165	165
1865	127	191	181	191	181	139	150	139	150	150	171	171	202	198	160	160	237	237	134	134	196	196	241	249	229	229	229	229	229
1866	127	181	181	181	181	163	150	163	150	150	181	181	216	204	159	159	226	226	134	134	207	207	249	249	229	229	229	229	229
1867	127	182	181	182	181	163	150	163	150	150	181	181	213	210	169	169	226	226	140	140	226	226	245	250	250	250	250	250	250
1868	127	170	171	170	171	163	150	163	150	150	171	171	198	190	167	167	205	205	140	140	200	200	235	212	212	212	212	212	212
1869	127	172	181	172	181	163	150	163	150	150	181	181	202	192	166	166	221	221	160	160	191	191	227	215	215	215	215	215	215
1870	127	167	181	167	181	163	150	163	150	150	181	181	209	190	173	173	221	221	160	160	193	193	253	227	227	227	227	227	227
1871	127	167	181	167	181	163	150	163	150	150	181	181	200	194	190	190	228	228	160	160	193	193	273	219	219	219	219	219	219
1872	127	174	181	174	181	163	150	163	150	150	181	181	229	192	188	188	223	223	160	160	191	191	267	225	225	225	225	225	225
1873	145	172	181	172	181	163	150	163	150	150	181	181	238	194	189	189	221	221	160	160	193	193	239	238	238	238	238	238	238
1874	145	151	163	151	163	145	145	145	145	145	163	163	209	167	166	166	193	193	160	160	170	170	239	196	196	196	196	196	196
1875	145	144	163	144	163	135	135	135	135	135	152	152	202	157	160	160	179	179	155	155	152	152	208	173	173	173	173	173	173
1876	135	142	152	142	152	135	128	135	128	128	141	141	211	139	148	148	177	177	155	155	130	130	206	167	167	167	167	167	167
1877	127	151	135	151	135	122	117	122	117	117	128	128	204	137	159	159	170	170	140	140	133	133	194	162	162	162	162	162	162
1878	123	135	120	135	120	122	111	122	111	111	118	118	162	137	151	151	163	163	134	134	137	137	169	154	154	154	154	154	154
1879	123	144	120	144	120	122	111	122	111	111	118	118	176	139	140	140	163	163	134	134	135	135	157	163	163	163	163	163	163
1880	127	160	133	160	133	127	117	127	117	117	127	127	189	145	163	163	186	186	140	140	146	146	194	173	173	173	173	173	173



TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Cotton Manufacture—(Con.).																													
P. 333—(Con.).													Connecticut, p. 336.																
Carding, Spinning and Weaving.																													
Base wage		Speeder		Spinning		Yard		Back		Baler		Weaving		Card		Carpenter		Cloth		Common		Doffer		Drawer		Dresser		Folder	
Year	Day	Day	Month	Month	Month	Day	Day	Day	Day	Day	Month	Month	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	83	100	100	100	100	100	100	100	100	100	100	100	100	100
1863	100	108	110	125	125	108	108	120	110	106	100	100	100	100	83	100	100	100	100	100	83	123	120	87	133	133	133	133	133
1864	133	130	130	150	150	108	108	120	120	106	100	100	100	100	100	100	100	100	100	100	100	123	120	116	133	133	133	133	133
1865	144	156	156	150	150	108	108	120	120	111	100	100	100	100	100	117	133	125	125	125	125	123	120	136	153	153	153	153	153
1866	178	182	182	150	150	133	133	140	128	128	156	156	156	156	150	150	133	133	149	160	174	171	171	171	171	171	171	171	171
1867	200	182	182	150	150	133	133	140	133	133	156	156	156	150	150	160	100	100	149	160	174	171	171	171	171	171	171	171	171
1868	217	200	200	150	150	133	133	140	144	144	156	156	156	150	150	160	100	100	149	160	174	171	171	171	171	171	171	171	171
1869	217	200	200	150	150	133	133	140	144	144	144	144	144	138	180	100	100	136	160	174	152	152	152	152	152	152	152	152	152
1870	217	200	200	175	175	133	133	140	144	144	144	144	144	138	180	100	100	136	160	174	152	152	152	152	152	152	152	152	152
1871	217	200	200	175	175	133	133	140	144	144	144	144	144	138	180	100	100	136	160	174	152	152	152	152	152	152	152	152	152
1872	217	200	200	175	175	150	150	140	144	144	156	156	156	147	200	125	125	149	180	—	—	—	—	—	—	—	—	—	—
1873	283	250	250	175	175	150	150	140	144	144	133	133	133	147	200	125	125	149	180	—	—	—	—	—	—	—	—	—	—
1874	217	250	250	175	175	150	150	140	144	144	133	133	133	133	200	113	113	149	180	—	—	—	—	—	—	—	—	—	—
1875	267	250	250	150	150	150	150	160	144	144	133	133	133	120	200	113	113	137	200	—	—	—	—	—	—	—	—	—	—
1876	267	250	250	150	150	133	133	140	144	144	117	117	117	111	200	100	100	129	160	—	—	—	—	—	—	—	—	—	—
1877	267	250	250	150	150	133	133	140	150	150	117	117	117	111	200	100	100	129	160	—	—	—	—	—	—	—	—	—	—
1878	267	250	250	150	150	133	133	150	150	150	117	117	117	100	180	92	92	134	180	—	—	—	—	—	—	—	—	—	—
1879	267	250	250	150	150	133	133	150	150	150	117	117	117	100	180	92	92	134	180	—	—	—	—	—	—	—	—	—	—
1880	267	250	250	150	150	150	150	160	150	150	122	122	122	106	220	100	100	145	190	—	—	—	—	—	—	—	—	—	—













TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

P. 347—(Con.).		Cotton Manufacture—(Con.).												Massachusetts, p. 351.											
Base wage Year	Warper Girl	Weaver Girl	Back Boy	Carding Overseer	Card Stripper	Carpenter		Cloth Trimmer		Common Laborer		Doffer		Drawer		Drawer-in		Dresser		Dyer		Frame Spinner			
						Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	—	—	100	100	100	86	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
1861	100	100	109	100	100	86	100	100	100	100	100	100	100	100	96	115	106	100	108	100	100	100	108		
1862	103	86	109	100	100	86	100	100	100	100	100	84	96	111	113	111	113	100	104	100	100	104			
1863	114	104	109	100	100	100	100	100	100	100	100	87	96	104	101	100	109	101	100	100	100	109			
1864	126	136	112	100	135	114	100	100	125	105	113	105	113	103	105	132	111	111	100	100	100	100			
1865	135	155	136	104	163	129	100	150	132	127	100	124	160	130	130	130	130	130	130	130	130	130			
1866	178	219	147	117	187	134	100	163	158	156	150	130	175	156	130	175	156	130	175	156	130	175			
1867	178	243	159	117	184	143	100	157	163	165	171	143	175	162	162	162	162	162	162	162	162	162			
1868	159	211	159	117	181	157	100	153	116	158	156	124	163	160	160	160	160	160	160	160	160	160			
1869	159	205	147	117	181	157	100	157	126	158	154	144	163	162	162	162	162	162	162	162	162	162			
1870	167	214	167	117	181	157	100	157	116	158	176	163	170	160	160	160	160	160	160	160	160	160			
1871	173	221	181	117	185	157	100	157	141	158	181	224	170	189	189	189	189	189	189	189	189	189			
1872	188	227	181	117	185	157	100	157	156	158	184	173	170	198	198	198	198	198	198	198	198	198			
1873	187	243	181	117	185	157	100	169	144	158	189	177	147	206	206	206	206	206	206	206	206	206			
1874	135	212	190	125	185	157	100	175	140	158	194	165	170	191	191	191	191	191	191	191	191	191			
1875	157	188	190	133	172	154	100	168	131	146	189	142	170	175	175	175	175	175	175	175	175	175			
1876	147	175	190	133	172	143	106	168	133	142	156	153	160	177	177	177	177	177	177	177	177	177			
1877	149	164	179	133	166	143	106	168	120	126	159	126	150	153	153	153	153	153	153	153	153	153			
1878	144	159	179	133	166	143	104	150	126	126	165	129	150	152	152	152	152	152	152	152	152	152			
1879	140	151	179	133	154	129	108	130	126	126	179	124	135	151	151	151	151	151	151	151	151	151			
1880	145	174	179	133	151	143	135	130	122	126	154	125	135	168	168	168	168	168	168	168	168	168			

TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

P. 318—(Con.).				Tanneries—(Con.).												Ohio, Cincinnati, p. 319.				Carpets			
Base wage	Watchman		Yard		Bark	Grinder	Beam	Hand	Currier	Engineer		Finisher		Handler		Laborer	Shaver	Watchman	Yard		Carder	Carpenter	
	Day	Day	Day	Day						Day	Day	Man	Man	Day	Day				Day	Day			Day
\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.25	\$1.50	\$1.58	\$1.58	\$1.33	\$1.08	\$1.00	\$1.00	\$1.00	\$1.00	\$1.66	\$1.16	\$1.08	\$1.00	\$1.50		
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
1861	100	100	100	100	100	100	100	111	105	113	100	100	100	100	100	100	110	100	100	100	89		
1862	100	100	100	100	83	93	93	100	106	106	100	83	100	83	100	83	100	72	100	103	100		
1863	100	100	100	100	116	120	116	117	137	113	116	100	110	100	110	100	110	115	116	105	100		
1864	100	100	125	133	133	160	160	133	147	162	185	166	140	158	133	117	133	117	133	117	133		
1865	120	120	125	144	144	166	166	144	158	150	185	166	151	172	185	133	177	183	183	133	133		
1866	120	120	150	155	155	173	173	155	168	162	216	166	160	172	185	133	187	133	133	133	133		
1867	120	120	150	166	166	166	166	155	190	169	216	166	160	172	185	133	192	133	133	133	133		
1868	120	120	150	167	167	166	166	167	190	169	246	166	160	172	185	133	179	133	133	133	133		
1869	120	120	150	177	177	166	166	177	190	175	231	166	160	172	169	150	190	150	150	150	150		
1870	120	120	150	177	177	166	166	177	190	175	231	166	160	172	169	150	190	150	150	150	150		
1871	100	100	125	166	166	166	166	167	190	175	200	166	181	172	169	150	190	150	150	150	150		
1872	100	100	125	166	166	166	166	167	190	175	200	166	181	172	169	150	192	150	150	150	150		
1873	100	100	125	166	166	166	166	167	190	175	200	166	181	172	169	150	190	150	150	150	150		
1874	100	100	125	166	166	166	166	167	190	169	193	150	160	172	162	145	169	145	145	145	145		
1875	100	100	125	166	166	166	166	167	190	169	185	150	160	172	162	135	169	135	135	135	135		
1876	120	120	125	166	166	151	151	156	158	169	185	150	138	158	152	128	169	128	128	128	128		
1877	120	120	125	153	153	151	151	153	148	175	185	150	137	151	150	117	149	117	117	117	117		
1878	120	120	125	150	150	148	148	150	148	175	185	150	136	151	149	111	141	111	111	111	111		
1879	120	120	125	150	150	147	147	147	148	162	185	150	136	151	148	111	138	111	111	111	111		
1880	120	120	125	150	150	143	143	144	137	162	185	150	136	151	146	117	154	117	117	117	117		

TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Base wage Year	Cotton Manufacture—(Con.).										Massachusetts, p. 353.			
	Massachusetts, p. 351—(Con.).					Cotton Manufacture—(Con.).					Massachusetts, p. 353.			
	Weaving					Weaving					Massachusetts, p. 353.			
	Warper	Watchman	Weaver	Overseer	Section Hand	Winder	Yard Hand	Yard Man	Dresser	Machinist	Spinner	Spinning Overseer	Spooler	Warper
	\$ .73	\$ 1.1667	\$ .94	\$ 3.00	\$ 1.52	\$ .59	\$ 1.00	\$ 1.00	\$ 1.55 %	\$ 1.7333	\$ .61 1/4	\$ 45.00	\$ .55 %	\$ .55 %
	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Month	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	134	100	106	100	109	115	100	100	104	100	100	100	110	110
1862	130	100	96	100	95	136	100	100	104	100	100	100	110	110
1863	108	100	72	100	96	115	100	100	104	100	100	100	110	110
1864	101	107	97	100	111	134	125	125	104	100	106	100	110	110
1865	142	115	118	104	116	159	150	150	123	122	106	122	117	117
1866	144	134	153	133	126	176	163	163	123	122	106	122	117	117
1867	175	140	170	117	126	264	157	157	123	122	106	122	117	117
1868	181	140	162	133	126	183	153	153	123	122	106	122	117	117
1869	190	140	156	133	126	192	157	157	123	122	106	122	117	117
1870	185	140	176	133	126	183	157	157	128	144	156	144	172	172
1871	201	140	174	133	152	217	157	157	128	144	156	144	172	172
1872	215	140	182	133	152	229	157	157	128	144	156	144	172	172
1873	233	146	194	133	152	229	169	169	128	144	156	144	172	172
1874	223	146	172	133	152	219	175	175	128	144	156	144	172	172
1875	221	146	161	133	151	195	168	168	123	89	132	133	145	145
1876	222	146	161	133	151	180	168	168	123	89	132	133	145	145
1877	173	146	144	133	144	166	168	168	123	89	132	133	145	145
1878	179	146	145	133	144	173	150	150	123	89	132	133	145	145
1879	158	130	133	133	135	166	130	130	123	89	132	133	145	145
1880	169	137	140	133	144	178	130	130	123	89	132	133	145	145



TABLE 6—(CONTINUED).  
*Relative wages from Vol. XY of the Tenth Census.*

Carpets—(Con.).		Cotton Manufacture.																		
P. 324—(Con.).		Conn., Willimantic, p. 333.																		
Base wage Year	Winder	Wool		Back Boy	Carding Overseer	Card		Common		Drawer	Grinder		Machinist		Spinner		Painter	Picker		Second Hand
		Sorter	Day			Stripper	Day	Carpenter	Day		Laborer	Day	Day	Day	Day	Day		Day	Day	
1860	—	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	125
1861	100	105	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	107	
1862	100	114	100	100	120	100	100	100	100	100	100	100	100	100	100	100	100	100	120	
1863	103	127	100	100	120	100	100	100	125	100	100	100	133	100	100	100	100	100	140	
1864	132	168	175	150	130	150	133	150	150	123	100	100	150	150	100	100	140	140	140	
1865	224	182	175	266	266	150	167	150	150	143	113	167	167	150	117	140	140	147	147	
1866	230	182	175	266	266	150	167	150	150	143	120	183	183	160	133	150	150	147	147	
1867	227	182	175	266	266	150	167	150	150	143	130	183	183	190	133	150	150	160	160	
1868	200	182	150	160	160	150	167	150	150	143	120	167	167	180	133	150	150	160	160	
1869	211	182	150	160	160	150	183	175	175	143	120	183	183	180	133	150	150	160	160	
1870	205	182	150	200	200	150	183	150	150	143	120	183	183	200	167	150	150	160	160	
1871	208	182	150	200	200	150	183	150	150	143	120	183	183	200	167	150	150	173	173	
1872	216	182	150	200	200	150	183	150	150	143	120	183	183	200	167	150	150	173	173	
1873	216	182	150	250	250	160	183	175	175	143	127	183	183	270	167	150	150	193	193	
1874	197	182	150	250	250	160	183	150	150	143	127	183	183	270	167	150	150	200	200	
1875	173	191	150	250	250	150	167	150	150	143	120	167	167	270	167	150	150	200	200	
1876	184	155	150	250	250	150	167	150	150	143	120	167	167	270	167	150	150	200	200	
1877	178	155	150	250	250	150	167	125	125	143	120	167	167	270	167	150	150	200	200	
1878	176	136	150	250	250	150	167	125	125	143	120	167	167	270	167	150	150	200	200	
1879	173	136	150	250	250	150	167	125	125	143	120	167	167	270	133	150	150	200	200	
1880	205	168	150	250	250	150	167	125	125	143	120	167	167	270	133	150	150	200	200	





TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Base wage Year	New Hampshire, Dover, p. 857—(Con.)										Cotton Manufacture—(Con.)										New Hampshire, p. 358.									
	Spinning					Weaving					Carding					Spinning and Weaving					Carding					Spinning and Weaving				
	Second Hand	Speeder	Overseer	Spooler	Warper	Weaver	Overseer	Drawer	Web	Yard Hand	Back Boy	Baler	Overseer	Stripper	Carpenter															
1860	\$1.25	\$39	\$66.00	\$19	\$42	\$36	\$48.00	\$39	\$39	\$83	\$35	\$1.00	\$65.00	\$83	\$1.58															
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100															
1862	90	95	73	121	95	86	88	92	87	100	100	100	100	100	100															
1863	100	85	73	84	69	75	100	87	—	100	100	100	100	100	100															
1864	120	103	91	137	81	94	125	87	—	130	100	100	100	100	100															
1865	120	100	109	253	107	100	150	113	113	151	117	133	120	160	111															
1866	160	131	127	247	138	258	163	164	164	181	117	137	120	160	111															
1867	160	144	127	226	124	292	175	213	213	181	117	142	120	160	111															
1868	160	138	127	226	129	186	175	187	187	181	117	142	120	160	111															
1869	160	172	127	189	126	214	175	177	177	181	117	142	120	160	111															
1870	160	154	127	195	164	194	175	179	179	181	143	142	126	160	111															
1871	160	172	145	221	164	194	200	205	205	181	143	142	126	160	111															
1872	160	172	145	274	150	206	200	195	195	181	143	142	126	160	111															
1873	160	172	145	226	150	208	200	187	187	181	143	142	126	160	111															
1874	160	149	145	179	129	186	200	151	151	181	143	142	126	160	111															
1875	160	262	145	411	219	319	200	244	244	181	129	142	140	139	111															
1876	160	228	145	358	214	269	200	236	236	183	129	130	140	139	111															
1877	160	215	145	326	193	236	200	226	226	183	129	125	140	139	111															
1878	160	251	145	305	274	222	200	236	236	139	129	120	140	139	111															
1879	160	238	145	337	298	242	200	249	249	139	129	120	140	139	111															
1880	160	244	145	384	298	242	200	290	290	151	129	120	140	133	111															

TABLE 6—(CONTINUED).  
*Relative wages from Vol. XX of the Tenth Census.*

Base wage Year	Cotton Manufacture—(Con.).										Del., Christiana Hundred, p. 340		Ind., Evansville, p. 341.	
	Connecticut, p. 338—(Con.).					Weaving							In Cloth	
						Section							Room,	
	Spinder	Spinner	Hand	Spooler	Warper	Weaver	Hand	Drawer	Web	Carpenter	Dresser	Mule	Spinner	Weaver
	\$ .6607	\$ .7080	\$ .6607	\$ .45	\$ .75	\$ .9167	\$ .1.1667	\$ .8333		\$ .1.50	\$ .1.32	\$ .9833	\$ .91%	
	Day	Day	Day	Day	Day	Day	Day	Day		Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	106	113	100	100	100	100	100	100	100	100	100	100	100
1863	100	111	126	100	100	100	107	100	100	100	100	100	100	100
1864	113	123	150	111	122	100	107	100	123	100	100	100	100	100
1865	113	148	188	148	133	109	115	120	167	100	100	100	100	100
1866	138	153	226	148	167	119	143	140	167	100	100	100	100	100
1867	150	165	250	148	200	127	139	150	167	159	173	160	100	100
1868	150	159	250	148	200	132	150	150	167	167	196	158	100	100
1869	150	159	263	148	178	132	150	150	167	167	196	158	100	100
1870	150	159	263	148	161	132	150	150	167	167	196	158	100	100
1871	150	159	275	148	156	136	157	150	167	167	196	158	100	100
1872	163	162	275	148	160	127	157	140	167	167	196	160	100	100
1873	163	162	275	148	160	127	157	140	167	167	196	160	100	100
1874	150	150	275	148	156	127	150	135	177	153	131	131	100	100
1875	131	138	275	143	133	123	150	130	153	131	131	131	100	100
1876	131	138	275	143	133	123	150	130	143	159	118	149	85	92
1877	131	138	275	143	133	127	150	130	140	159	118	149	85	80
1878	131	132	275	143	122	127	150	130	140	159	118	137	80	80
1879	131	132	275	143	122	127	136	130	183	143	106	137	80	78
1880	144	141	275	148	133	127	150	135	150	160	109	144	80	75

TABLE 6—(CONTINUED).  
Relative wages from Vol. XV of the Tenth Census.

New Hampshire, p. 358—(Con.).															Cotton Manufacture—(Con.).															New York, Cohoes, p. 362.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Spinning					Weaving					Web-					Card-					Cloth-room					Cloth					Common																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Section-hand					Warper					Weaver					Section-hand					Baler					Overseer					Card-					Carpenter					Overseer					Trimmer					Laborer																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Base wage					\$0.54					\$0.92					\$1.33					\$0.83					\$0.80					\$58.50					\$0.70					\$1.62					\$1.12½					\$0.50					\$0.75																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Year					Day					Day					Day					Day					Day					Day					Day					Day					Day					Day					Day					Day																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	10



TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Cotton Manufacture—(Con.).															Phil., Penn., p. 865.
New York, Cohoes, p. 362—(Con.).															
Second Hand	Slubber	Speeder	Spinning			Spooler	Spreader	Warper	Watchman	Weaving			Carding	Common	
			Overseer	hand	Section-					Overseer	hand	Section-			
Year	Day	Day	Month	Day	Day	Day	Day	Day	Day	Month	Day	Day	Month	Day	
Base wage	\$1.31½	\$0.65	\$0.65	\$55.25	\$1.50	\$0.62	\$0.50	\$0.70	\$0.83½	\$65.00	\$1.37½	\$0.75	\$80.00	\$1.50	
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1862	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1863	106	115	115	100	100	110	125	89	112	100	100	133	100	100	
1864	138	115	115	112	117	110	140	107	123	110	118	150	100	100	
1865	138	115	115	112	133	110	150	114	145	120	127	167	100	100	
1866	157	154	173	129	133	121	200	131	164	140	145	167	100	100	
1867	171	173	192	171	150	131	200	207	164	130	155	167	100	100	
1868	171	173	192	171	150	131	200	207	164	130	155	167	100	100	
1869	171	173	192	171	150	131	200	207	164	130	155	167	100	100	
1870	171	173	192	170	150	131	200	207	164	130	155	167	100	100	
1871	171	173	192	170	150	131	200	207	164	130	155	167	100	100	
1872	171	173	192	171	150	131	200	207	164	130	155	167	100	100	
1873	171	173	192	171	150	131	200	207	164	130	155	167	100	100	
1874	171	154	169	165	150	121	180	179	164	130	145	167	100	100	
1875	171	154	169	165	150	121	180	179	164	130	145	167	100	100	
1876	143	135	154	165	133	110	140	157	156	120	145	150	100	100	
1877	143	123	138	165	120	100	130	143	149	120	145	183	100	100	
1878	143	123	138	165	120	100	130	143	149	120	145	183	100	100	
1879	128	115	128	147	108	90	120	129	134	100	127	133	100	100	
1880	143	128	154	165	133	110	140	157	149	120	145	150	100	100	



TABLE 6—(CONTINUED).  
*Relative wages from Vol. XX of the Tenth Census.*Cotton Manufacture—(Con.).  
Massachusetts, p. 351—(Con.)

Base wage Year	Lap-head		Mule		R. W. Head				Second		Spinning			
	Grinder	Tender	Machinist	Spinner	Painter	Picker	Quiller	Tender	Reeler	Scrubber	Hand	Speeder	Overseer	Sweeper
	\$1.25	\$ .75	\$1.40	\$ .40	\$1.75	\$1.08½	\$ .57	\$ .75	\$ .66	\$ .55	\$1.62½	\$ .60	\$3.00	\$ .55
	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	110	125	100	88	96	100	120	100	100	98	100	100
1862	100	100	102	130	100	88	104	100	145	105	100	98	100	105
1863	100	100	111	118	100	98	100	100	132	105	92	98	100	105
1864	112	133	119	145	103	122	128	120	130	115	115	113	100	115
1865	128	167	142	153	114	134	131	167	129	109	138	129	104	109
1866	140	200	168	203	120	152	160	187	149	152	162	154	108	152
1867	140	200	169	192	143	152	175	187	161	132	162	163	117	132
1868	133	191	163	195	143	145	170	179	159	132	169	163	117	132
1869	133	191	161	182	143	145	172	179	168	130	172	169	117	130
1870	133	191	166	355	143	145	188	179	170	132	169	167	117	132
1871	140	191	164	563	143	153	181	179	230	150	169	167	117	150
1872	140	191	164	563	143	153	188	179	214	141	169	167	117	141
1873	140	191	164	563	143	153	191	179	220	150	169	192	117	150
1874	140	191	166	563	157	153	212	179	211	143	169	192	125	143
1875	127	181	153	513	143	139	186	171	168	135	154	175	133	135
1876	127	181	154	513	143	139	177	171	156	135	154	175	133	135
1877	120	169	154	475	143	129	177	160	156	131	166	158	133	131
1878	120	169	157	475	143	129	179	160	159	131	154	158	133	131
1879	112	153	143	438	143	120	168	143	147	129	160	150	133	129
1880	120	153	141	438	129	129	182	153	153	134	160	165	133	131

TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

		The Woolen Industry—(Con.).										Illinois, Springfield, p. 383—(Con.).		Illinois, p. 384.	
		Overseers of										Different		Wool	
Base wage	Year	Engineer		Finisher		Laborer		Picker		Spinner		Weaver		Sorter	
		Day	Month	Day	Month	Day	Month	Day	Month	Day	Month	Day	Month	Day	Month
		\$1.25	\$1.50	\$1.50	\$1.00	\$1.00	\$35.75	\$0.75	\$1.40	\$1.25	\$1.25	\$1.25	\$1.25	\$1.25	\$65.00
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	128	100	100	100	100	100	123	133	93	93	120	120	100	100	100
1862	128	100	100	100	100	100	123	133	93	93	100	100	100	100	100
1863	140	117	100	100	100	100	127	133	100	100	120	120	100	100	100
1864	160	150	125	100	125	125	155	167	143	140	140	140	160	100	120
1865	200	133	125	100	125	125	200	200	179	200	200	200	220	100	120
1866	200	150	150	100	150	150	209	200	179	160	160	160	220	100	160
1867	200	143	150	100	150	150	213	200	170	140	140	140	170	100	160
1868	200	133	125	100	125	125	227	200	161	130	130	130	160	100	160
1869	200	133	125	100	125	125	227	167	161	120	120	120	160	100	160
1870	200	133	125	100	125	125	209	167	161	228	228	228	160	120	160
1871	220	200	125	100	125	125	209	167	143	110	110	110	160	120	160
1872	220	200	125	100	125	125	209	167	143	110	110	110	160	120	160
1873	240	200	125	100	125	125	218	133	57	110	110	110	180	120	160
1874	220	200	125	100	125	125	218	133	71	116	116	116	200	120	160
1875	220	200	125	100	125	125	218	133	64	116	116	116	200	120	200
1876	200	200	125	100	125	125	218	133	64	100	100	100	180	120	200
1877	200	200	125	100	125	125	218	133	57	106	106	106	180	120	200
1878	200	200	125	100	125	125	182	120	64	108	108	108	160	120	200
1879	200	200	125	100	125	125	182	133	64	118	118	118	160	120	200
1880	220	200	125	100	125	125	200	167	64	120	120	120	180	120	200

TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

P. 353—(Con.)		Cotton Manufacture—(Con.).														
		New Hampshire, Concord, p. 355.														
	Yard	Back	Carding	Card	Cloth	Common	Day	Doffer	Drawer	Dresser	Spinner	Frame	Grinder	Loom	Machinist	
	Hand	Boy	Overseer	Stripper	Trimmer	Laborer	Watchman							Fixer	(Iron)	
Base wage	\$1.1533	\$ .25	\$32.00	\$ .70	\$ .46	\$1.00	\$1.00	\$ .25	\$ .45	\$1.3333	\$ .46	\$ .46	\$ .95	\$ .96	\$1.5833	
Year	Day	Day	Month	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100	105	
1862	100	100	94	95	100	92	92	100	100	100	100	100	96	86	105	
1863	100	100	94	95	100	92	92	100	100	100	100	100	96	86	105	
1864	100	100	113	119	109	100	116	100	111	106	109	109	123	130	116	
1865	100	120	150	179	136	100	133	120	148	125	117	117	158	156	142	
1866	100	120	225	179	163	125	150	120	148	150	181	181	175	182	158	
1867	100	120	225	179	181	125	150	120	148	163	181	181	184	191	158	
1868	100	120	187	179	163	125	150	120	148	150	172	172	175	182	158	
1869	100	120	206	179	163	125	175	120	148	150	163	163	175	182	189	
1870	120	120	206	167	168	125	175	132	148	150	163	163	175	174	189	
1871	120	120	206	179	181	125	175	132	148	—	163	163	175	174	189	
1872	120	120	225	179	181	125	158	132	158	—	163	163	184	174	189	
1873	120	120	225	179	163	125	200	132	158	—	163	163	184	156	189	
1874	120	120	225	179	163	125	200	132	148	—	145	145	175	156	189	
1875	100	120	225	167	145	125	200	132	148	—	145	145	175	156	189	
1876	100	120	187	143	145	125	175	132	148	—	136	136	158	156	189	
1877	100	120	169	143	145	125	175	132	148	—	136	136	149	139	189	
1878	100	120	150	119	117	125	142	132	148	—	117	117	136	130	158	
1879	100	120	137	113	117	125	133	132	130	—	109	109	132	126	142	
1880	100	120	169	131	136	125	159	132	148	—	136	136	154	156	158	

TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

The Woollen Industry—(Con.).												Maine, Dover, p. 389.																	
Indiana, Indianapolis, p. 386—(Con.).																													
Base wage Year	Scourer		Shearer		Spinner		Warper		Weaver		Wool Sorter		Carder Boy		Carpenter		Dyer		Dyer's Helper		Foreman		Fuller		Laborer		Loom Fixer		
	Day	\$1.25	Day	\$1.50	Day	\$1.25	Day	\$1.25	Day	\$0.6667	Day	\$1.25	Day	\$0.50	Day	\$1.33	Day	\$1.33	Day	\$1.00	Day	\$39.00	Day	\$1.00	Day	\$1.00	Day	\$1.00	
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	111	120	100	100	100	100	100	100	100	120	100	100	100	100	100	100	100	100	100	100	100	105	100	100	100	100	100	110
1862	120	133	160	100	100	100	100	100	100	100	120	100	110	110	113	113	113	113	110	110	100	100	110	100	100	100	100	100	133
1863	120	133	160	100	100	100	100	100	100	100	120	100	120	120	113	113	113	113	115	115	115	115	125	110	110	110	110	110	133
1864	120	150	160	100	100	100	100	100	100	100	133	133	150	150	150	150	132	125	125	141	141	150	150	133	133	133	133	133	133
1865	120	150	200	100	100	100	100	100	100	100	133	133	180	180	169	169	141	150	150	154	154	175	175	150	150	150	150	150	150
1866	120	150	200	100	100	100	100	100	100	100	133	133	180	180	169	169	139	150	150	154	154	175	175	150	150	150	150	150	150
1867	120	150	200	100	100	100	100	100	100	100	133	133	180	180	169	169	139	150	150	154	154	175	175	150	150	150	150	150	150
1868	120	150	200	100	100	100	100	100	100	100	133	133	170	170	169	169	139	150	150	167	167	150	150	150	150	150	150	150	150
1869	120	150	160	100	100	100	100	100	100	100	133	133	170	170	169	169	132	150	150	167	167	150	150	150	150	150	150	150	150
1870	120	150	160	100	100	100	100	100	100	100	160	160	170	170	169	169	132	150	150	167	167	150	150	150	150	150	150	150	150
1871	120	150	160	100	100	100	100	100	100	100	160	160	170	170	169	169	132	150	150	167	167	150	150	150	150	150	150	150	150
1872	120	150	180	100	100	100	100	100	100	100	160	160	170	170	169	169	141	150	150	192	192	150	150	150	150	150	150	150	150
1873	120	150	160	100	100	100	100	100	100	100	160	160	170	170	169	169	150	150	150	205	205	150	150	150	150	150	150	150	150
1874	120	150	160	100	100	100	100	100	100	100	160	160	170	170	169	169	150	150	150	205	205	150	150	150	150	150	150	150	145
1875	120	150	160	100	100	100	100	100	100	100	160	160	172	172	169	169	141	142	142	205	205	142	142	140	140	140	140	145	145
1876	120	150	160	100	100	100	100	100	100	100	160	160	170	170	169	169	143	135	135	205	205	135	135	140	140	140	140	135	135
1877	120	150	160	100	100	100	100	100	100	100	160	160	170	170	150	150	150	135	135	205	205	185	185	140	140	140	140	135	135
1878	120	150	160	100	100	100	100	100	100	100	160	160	150	150	150	150	132	125	125	192	192	132	132	135	135	135	135	135	135
1879	120	150	160	100	100	100	100	100	100	100	160	160	150	150	150	150	132	120	120	205	205	132	132	125	125	125	125	135	135
1880	120	150	160	100	100	100	100	100	100	100	160	160	150	150	150	150	150	150	125	205	205	132	132	125	125	125	125	135	135

TABLE 6—(CONTINUED).  
Relative wages from Vol. IX of the Tenth Census.

P. 355—(Con.).		Cotton Manufacture—(Con.).												New Hampshire, Dover, p. 357.															
Yard		Back		Carding		Card		Stripper		Carpenter		Doffer		Drawer		Dresser		Frame		Grinder		Machinist		Mule		Painter		Picker	
Hand	Boy	Day	Month	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
Base wage	\$1.00	\$26	\$66.00	\$83	\$1.50	\$32	\$24	\$56	\$35	\$1.08	\$1.50	\$85	\$1.42	\$75															
Year	1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	1861	100	104	89	81	89	84	88	89	89	82	89	94	89	89	82	89	100	89	100	89	94	89	94	100	89	94	100	89
	1862	92	104	73	90	93	78	88	80	71	93	93	87	94	100	87	94	100	87	94	100	87	94	100	87	94	100	87	94
	1863	92	—	—	—	117	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	1864	100	115	91	151	133	103	104	95	94	139	133	101	141	167	141	167	141	167	141	167	141	167	141	167	141	167	141	167
	1865	100	146	109	151	133	94	96	104	94	139	133	124	141	167	141	167	141	167	141	167	141	167	141	167	141	167	141	167
	1866	125	192	127	160	158	172	125	179	160	155	158	176	141	177	141	177	141	177	141	177	141	177	141	177	141	177	141	177
	1867	125	192	127	160	167	172	137	179	151	155	167	192	141	177	141	177	141	177	141	177	141	177	141	177	141	177	141	177
	1868	125	192	127	120	167	141	137	179	143	155	167	188	158	177	158	177	158	177	158	177	158	177	158	177	158	177	158	177
	1869	125	192	127	120	167	150	137	179	149	155	167	208	177	158	158	177	158	177	158	177	158	177	158	177	158	177	158	177
	1870	125	192	127	141	167	144	137	155	166	155	167	180	158	177	158	177	158	177	158	177	158	177	158	177	158	177	158	177
	1871	125	192	145	160	167	141	137	—	—	155	167	182	158	177	155	155	182	167	167	182	158	158	177	158	177	158	177	158
	1872	125	192	145	160	167	137	146	—	—	155	167	176	158	177	155	155	176	167	167	176	158	158	177	158	177	158	177	158
	1873	125	192	145	160	167	187	150	—	—	155	167	188	158	177	155	155	188	167	167	188	158	158	177	158	177	158	177	158
	1874	125	192	145	160	150	91	125	—	—	155	160	188	141	177	155	155	188	150	150	188	141	141	177	141	177	141	177	141
	1875	125	181	145	120	150	241	288	—	—	130	150	185	141	177	130	130	185	150	150	185	141	141	183	141	183	141	183	141
	1876	125	188	145	120	140	197	275	—	—	130	140	156	128	183	130	130	156	140	140	156	128	128	183	128	183	128	183	128
	1877	125	169	145	120	130	178	262	—	—	130	140	167	203	183	130	130	167	140	140	167	203	183	128	183	128	183	128	183
	1878	125	142	145	120	120	178	262	—	—	130	120	182	194	183	130	130	182	120	120	182	123	123	183	123	183	123	183	123
	1879	125	142	145	120	120	187	262	—	—	130	120	182	189	183	130	130	182	120	120	182	123	123	183	123	183	123	183	123
	1880	125	162	145	120	120	181	262	—	—	130	120	182	211	183	130	130	182	120	120	182	123	123	183	123	183	123	183	123



TABLE 6—(CONTINUED).  
*Relative wages from Vol. XX of the Tenth Census.*  
 Cotton Manufacture—(Con.).  
 New Hampshire, p. 358—(Con.).

Base wage Year	Cloth Trimmer		Common Laborer		Doffer		Drawer		Dresser		Folder		Frame Spinner		Grinder Machinist		Mule Spinner		Painter		Picker		Second Hand		Speeder	
	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	66
1862	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	72
1863	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	72
1864	120	100	100	120	108	108	108	100	121	100	117	100	100	100	107	100	100	100	126	100	100	100	100	100	100	96
1865	134	116	116	170	150	150	150	121	121	185	125	125	185	185	129	89	142	126	153	100	100	100	100	100	100	120
1866	141	116	116	200	184	184	184	193	193	185	133	133	185	185	135	89	142	126	153	133	133	133	133	133	133	133
1867	141	116	116	220	184	184	184	181	142	185	142	142	185	185	135	89	142	126	153	133	133	133	133	133	133	133
1868	164	116	116	220	184	184	184	175	142	185	142	142	185	185	135	89	142	126	153	133	133	133	133	133	133	141
1869	164	116	116	220	184	184	184	175	142	185	142	142	185	185	135	89	142	126	153	133	133	133	133	133	133	141
1870	164	123	123	220	184	184	184	175	142	185	142	142	185	185	135	89	142	126	153	133	133	133	133	133	133	141
1871	164	123	123	200	184	184	184	171	142	217	142	142	217	217	135	89	142	138	153	133	133	133	133	133	133	141
1872	164	123	123	220	184	184	184	171	142	217	142	142	217	217	135	89	142	138	153	133	133	133	133	133	133	141
1873	164	123	123	220	184	184	184	171	142	217	142	142	217	217	129	89	142	138	153	133	133	133	133	133	133	141
1874	152	123	123	220	174	174	174	171	142	217	142	142	217	217	129	89	142	128	153	133	133	133	133	133	133	120
1875	152	106	106	190	174	174	174	171	142	185	142	142	185	185	129	89	165	128	132	133	133	133	133	133	133	120
1876	143	106	106	186	174	174	174	171	130	185	130	130	185	185	120	89	165	128	132	133	133	133	133	133	133	120
1877	134	106	106	166	174	174	174	171	125	185	120	120	185	185	120	89	165	128	132	133	133	133	133	133	133	120
1878	125	106	106	166	174	174	174	135	135	185	120	120	185	185	120	89	165	128	132	133	133	133	133	133	133	100
1879	125	106	106	166	174	174	174	157	157	185	120	120	185	185	120	89	165	128	132	133	133	133	133	133	133	90
1880	125	106	106	160	174	174	174	181	181	152	120	120	152	152	120	89	155	128	126	126	126	126	126	126	126	90

TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.The Woollen Industry—(Con.)  
Massachusetts, p. 392—(Con.).

Base wage Year	Overseer of Spinning		Overseer of Spinning		Overseer of Waste-		Overseer of Weaving		Overseer of Yard		Picker		Repairer		Spinner		Teamster		Warper		Waste Sorter		Watchman		Weaver	
	Dept. No. 1	Dept. No. 2	Dept. No. 3	Dept.	Dept.	Dept.	Dept.	Dept.	Dept.	Dept.	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
	\$1.75	\$1.75	\$1.75	\$1.00	\$2.25	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$1.75	\$1.75	\$1.38	\$1.38	\$1.78	\$1.78	\$1.75	\$1.75	\$1.80	\$1.80	\$1.34	\$1.34	\$1.00	\$1.00	\$1.00	\$1.00
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	91	98	98	98	109	109	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	100	100	101	101	121	121	114	114	114	114	114	103	100	100	100	100	100
1863	114	114	129	120	111	65	105	105	116	122	77	117	117	126	126	106	106	106	106	106	106	106	106	106	106	106
1864	157	129	171	150	133	80	142	142	138	154	95	118	118	156	156	132	132	132	132	132	132	132	132	132	132	132
1865	157	171	171	150	167	90	164	164	159	199	108	143	143	144	144	154	154	154	154	154	154	154	154	154	154	154
1866	157	171	200	150	167	100	168	168	159	221	115	214	214	159	159	154	154	154	154	154	159	154	154	154	154	154
1867	142	154	180	150	150	100	152	152	155	181	115	184	184	197	197	152	152	152	152	152	197	152	152	152	152	152
1868	171	171	200	150	156	100	158	158	151	203	115	173	173	188	188	153	153	153	153	153	188	153	153	153	153	153
1869	171	171	200	150	167	—	152	152	159	208	129	183	183	194	194	156	156	156	156	156	194	156	156	156	156	156
1870	171	171	200	150	122	—	159	159	158	205	129	199	199	191	191	156	156	156	156	156	191	156	156	156	156	156
1871	171	171	200	150	156	—	158	158	158	195	129	192	192	191	191	156	156	156	156	156	191	156	156	156	156	156
1872	171	186	214	150	167	—	163	163	160	192	129	187	187	174	174	156	156	156	156	156	174	156	156	156	156	156
1873	171	200	229	150	167	—	162	162	160	205	130	175	175	194	194	160	160	160	160	160	194	160	160	160	160	160
1874	—	186	213	175	160	—	148	148	151	197	128	149	149	176	176	153	153	153	153	153	176	153	153	153	153	153
1875	—	186	213	175	160	—	138	138	143	190	126	159	159	165	165	145	145	145	145	145	165	145	145	145	145	145
1876	—	171	194	165	151	—	132	132	130	176	120	135	135	147	147	125	125	125	125	125	147	125	125	125	125	125
1877	—	171	194	165	178	—	119	119	127	156	119	133	133	147	147	122	122	122	122	122	147	122	122	122	122	122
1878	—	171	194	165	178	—	111	111	134	154	117	127	127	147	147	116	116	116	116	116	147	116	116	116	116	116
1879	—	171	194	165	178	—	106	106	132	149	117	134	134	147	147	114	114	114	114	114	147	114	114	114	114	114
1880	—	171	194	175	178	—	112	112	128	153	117	123	123	159	159	113	113	113	113	113	159	113	113	113	113	113



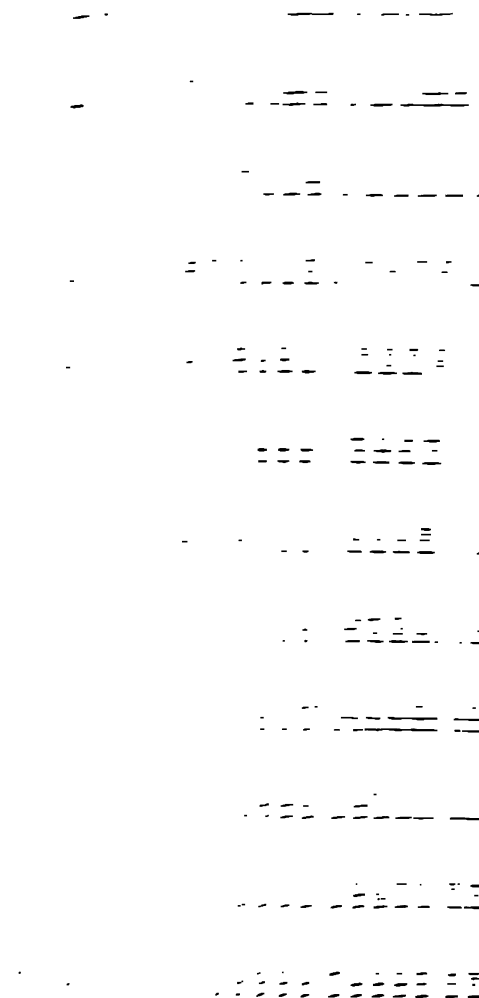
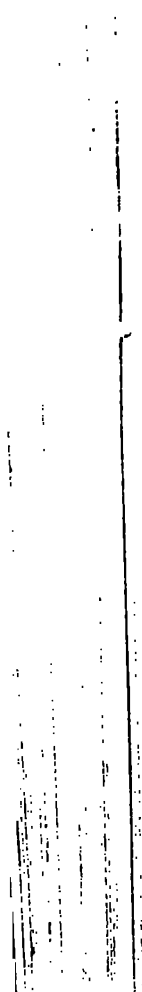


TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

The Woolen Industry—(Con.)

New Hampshire, p. 397.

N. Y.,  
p. 399.

P. 396—(Con.).

Base wage Year	Wool		Carder		Carpenter		Dyer		Engineer		Fuller		Laborer		Machinist		Spinner		Teamster		Weaver		Carder	
	Sorter		Day		Day		Day		Day		Day		Day		Day		Day		Day		Day		Day	
	\$1.48	\$1.48	\$1.75	\$1.75	\$1.00	\$1.00	\$1.37 1/2	\$1.37 1/2	\$1.87 1/2	\$1.87 1/2	\$1.87 1/2	\$1.87 1/2	\$1.25	\$1.25	\$42.25	\$42.25	\$1.10	\$1.10	\$1.50	\$1.50	\$1.10	\$1.10	\$1.25	\$1.25
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	95	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	95	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1863	116	125	100	100	100	100	109	109	114	114	114	114	108	108	100	114	114	100	100	100	100	107	100	100
1864	116	125	100	100	100	100	109	109	114	114	114	114	108	108	100	114	114	100	100	100	107	100	100	100
1865	124	150	143	130	130	130	145	145	149	149	149	149	157	160	138	138	148	148	148	148	125	120	120	120
1866	139	150	143	130	130	130	145	145	149	149	149	149	157	160	138	138	148	148	148	148	125	120	120	120
1867	135	150	143	130	130	130	145	145	149	149	149	149	157	160	138	138	148	148	148	148	125	120	120	120
1868	135	184	143	130	130	130	164	164	149	149	149	149	171	170	138	138	164	164	180	180	130	120	120	120
1869	134	184	143	130	130	130	164	164	149	149	149	149	171	170	138	138	164	164	180	180	130	120	120	120
1870	115	200	171	150	150	150	182	182	171	171	171	171	200	200	169	169	168	168	145	145	136	120	120	120
1871	133	200	171	150	150	150	182	182	171	171	171	171	200	200	169	169	168	168	145	145	136	120	120	120
1872	135	200	171	150	150	150	182	182	171	171	171	171	200	200	169	169	168	168	145	145	136	120	120	120
1873	135	200	171	150	150	150	200	200	157	157	157	157	171	171	177	177	170	170	175	175	136	120	120	120
1874	124	200	171	150	150	150	200	200	157	157	157	157	171	171	177	177	170	170	175	175	136	120	120	120
1875	130	200	171	150	150	150	218	218	164	164	164	164	171	171	200	200	166	166	175	175	136	158	158	158
1876	126	200	171	150	150	150	218	218	164	164	164	164	171	171	200	200	166	166	175	175	136	158	158	158
1877	130	180	171	135	135	135	218	218	149	149	149	149	154	170	200	200	148	148	125	125	136	158	158	158
1878	123	180	171	135	135	135	218	218	149	149	149	149	154	170	200	200	148	148	125	125	136	158	158	158
1879	117	170	171	125	125	125	218	218	137	137	137	137	143	170	200	200	148	148	175	175	134	158	158	158
1880	125	170	171	125	125	125	218	218	137	137	137	137	171	190	200	200	148	148	175	175	134	158	158	158

TABLE 6—(CONTINUED).  
*Relative wages from Vol. XX of the Tenth Census.*

Cotton Manufacture—(Con.).												The Woolen Industry.					
Pennsylvania, Philadelphia, p. 365—(Con.).												Ill., Springfield, p. 383.					
Base wage Year	Folder	Grinder	Machinist	Spinner		Mule	Picker	Second Hand		Spinning Section-		Weaver	Overseer	Web- drawer	Carder	Boys	Dyer
				Day	\$2.50			Day	\$1.50	Month	Day						
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	—
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100	87	80	100
1862	100	100	100	100	100	100	100	100	100	100	100	100	100	100	87	80	100
1863	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1864	100	100	100	100	100	100	100	100	100	100	100	100	100	100	167	107	125
1865	100	100	100	100	100	100	100	100	100	100	100	100	100	100	183	107	150
1866	100	100	100	100	100	100	100	100	100	100	100	100	100	100	183	107	150
1867	100	100	100	100	100	100	100	100	100	100	100	100	100	100	190	107	150
1868	100	100	100	100	100	100	100	100	100	100	100	100	100	100	183	100	175
1869	100	100	100	100	100	100	100	100	100	100	100	100	100	100	183	100	150
1870	100	100	100	100	100	100	100	100	100	100	100	100	100	100	183	100	150
1871	100	100	100	100	100	100	100	100	100	100	100	100	100	100	183	100	150
1872	100	100	100	100	100	100	100	100	100	100	100	100	100	100	183	100	150
1873	100	100	100	100	100	100	100	100	100	100	100	100	100	100	200	100	150
1874	100	100	100	100	100	100	100	100	100	100	100	100	100	100	200	100	150
1875	100	100	100	100	100	100	100	100	100	100	100	100	100	100	200	100	150
1876	100	100	100	100	100	100	100	100	100	100	100	100	100	100	200	90	150
1877	100	100	100	100	100	100	100	100	100	100	100	100	100	100	200	83	150
1878	100	100	100	100	100	100	100	100	100	100	100	100	100	100	167	83	125
1879	100	100	100	100	100	100	100	100	100	100	100	100	100	100	167	83	125
1880	100	100	100	100	100	100	100	100	100	100	100	100	100	100	183	83	138





TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Carriage and Wagon Works—(Con.).															Indiana, Indianapolis, p. 414.														
Illinois, Belleville, p. 413—(Con.).																													
Base wage Year	Blacksmith's Body					Wood					Blacksmith's Body					Painter													
	Blacksmith		Helper	Maker	Painter	Striper	Trimmer	Varnisher	Worker	Apprentice	Blacksmith	Helper	Maker	Laborer															
	\$2.00	\$1.00	\$2.00	\$2.00	\$1.75	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.25	\$1.00	\$2.25	\$1.00															
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100												
1861	100	100	100	100	114	100	100	100	100	100	100	100	100	100	100	100	100												
1862	125	125	125	125	143	125	125	125	125	125	89	75	78	100	100	100	100												
1863	125	125	125	125	143	125	125	125	125	100	89	75	78	100	100	75	75												
1864	150	150	150	150	171	150	150	150	150	100	89	100	111	100	100	88	88												
1865	150	150	150	150	171	150	150	150	150	150	111	125	111	125	111	125	88												
1866	150	150	150	150	171	150	150	150	150	150	111	125	111	125	111	125	88												
1867	150	150	150	150	171	150	150	150	150	150	111	125	111	125	111	125	100												
1868	150	150	150	150	171	150	150	150	150	150	111	125	100	125	100	125	100												
1869	150	150	150	150	171	150	150	150	150	150	111	125	100	125	100	125	100												
1870	150	150	150	150	171	150	150	150	150	150	111	125	111	125	111	125	100												
1871	150	150	150	150	171	150	150	150	150	150	111	125	111	125	111	125	100												
1872	150	150	150	150	171	150	150	150	150	150	111	125	111	125	111	125	100												
1873	150	150	150	150	171	150	150	150	150	150	111	125	111	125	111	125	100												
1874	125	150	125	125	143	125	125	125	125	100	111	100	111	100	111	100	88												
1875	125	150	125	125	143	125	125	125	125	100	100	100	100	89	100	100	88												
1876	125	150	125	125	143	125	125	125	125	100	100	100	100	89	100	100	88												
1877	125	150	125	125	143	125	125	125	125	100	100	100	100	89	100	100	88												
1878	125	150	125	125	143	125	125	125	125	100	111	125	89	100	100	100	88												
1879	125	150	125	125	143	125	125	125	125	150	111	125	100	125	111	125	100												
1880	125	150	125	125	143	125	125	125	125	—	—	—	—	—	—	—	—												

TABLE 6—(CONTINUED).  
*Relative wages from Vol. XX of the Tenth Census.*

The Woollen Industry—(Con.).																	Mass., Fitchburg, p. 390.			
Maine, Dover, p. 389—(Con.).																				
Overseers of Different																				
Base wage	Machinist	Dept.	Month	Picker	Scourer	Spinner	Spooler	Teamster	Warper,		Weaver,		Wool Sorter	Carder		Dyer's		Fuller		
									Female	Male	Female	Male		Boy	Day	Day	Day			
1860	\$1.33	\$39.00	100	\$0.86	\$1.00	\$1.30	\$0.46	\$1.00	\$0.67	\$0.70	\$0.70	\$1.00	\$1.25	\$0.60	\$0.75	\$0.92				
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100			
1862	113	100	100	105	110	100	100	100	100	107	100	106	108	108	127	100	100			
1863	113	100	100	116	115	115	109	110	100	114	125	112	117	117	133	100	100			
1864	150	141	141	116	125	135	163	133	137	136	140	120	133	133	177	145	145			
1865	169	150	150	116	150	140	174	150	149	143	155	120	133	133	177	145	145			
1866	169	150	150	116	150	138	163	150	149	143	160	120	138	138	177	145	145			
1867	169	150	150	116	150	138	163	150	149	143	167	120	133	133	189	163	163			
1868	169	150	150	105	150	138	163	150	149	143	167	114	117	117	189	163	163			
1869	169	150	150	105	150	138	163	150	149	143	150	120	117	117	189	182	182			
1870	169	156	156	99	150	138	163	150	149	136	160	120	117	117	193	182	182			
1871	169	154	154	99	150	138	185	150	149	150	167	120	125	125	193	163	163			
1872	169	154	154	116	150	138	196	150	149	157	170	120	133	133	200	163	163			
1873	169	154	154	116	150	138	196	150	149	157	175	114	125	125	200	163	163			
1874	169	154	154	116	150	135	196	150	—	157	175	120	133	133	200	163	163			
1875	169	153	153	116	145	120	196	140	—	166	160	100	108	108	167	145	145			
1876	169	154	154	116	150	123	217	140	—	157	160	100	100	100	150	136	136			
1877	150	154	154	116	150	123	217	140	—	160	160	80	100	100	140	130	130			
1878	150	141	141	105	132	123	217	135	—	163	140	80	103	103	140	130	130			
1879	150	141	141	105	132	100	217	125	—	163	135	90	103	103	140	130	130			
1880	150	150	150	116	132	104	217	125	—	163	135	96	125	125	153	136	136			





TABLE 6—(CONTINUED).  
*Relative wages from Vol. XX of the Tenth Census.*The Woollen Industry—(Con.)  
Massachusetts, p. 392—(Con.).

Base wage Year	Finisher Male	Fuller	Gigger	Laborer	Overseer of Carding			Overseer of Carding of Dress-			Overseer of Dyeing of Finish-			Overseer of Filling of Gigs in Repair-			Overseer of Dept. ing Dept. ing Dept.		
					Dept.	No. 1	Day	Dept.	No. 2	Day	Dept.	No. 3	Day	Dept.	No. 4	Day	Dept.	No. 5	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	103	98	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	102	99	102	114	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1863	105	107	110	77	71	143	133	114	150	108	125	108	138	125	108	138	125	108	125
1864	135	152	151	95	143	114	133	157	150	117	150	117	175	150	117	175	150	117	150
1865	153	154	164	109	200	157	133	214	150	133	150	133	175	150	133	175	150	133	175
1866	161	157	168	115	180	142	133	214	150	133	150	133	175	150	133	175	150	133	175
1867	148	142	151	115	200	157	120	214	150	133	150	133	175	150	133	175	150	133	175
1868	144	142	150	115	229	157	150	214	150	133	150	133	175	150	133	175	150	133	175
1869	142	151	152	129	229	171	83	214	150	133	150	133	175	150	133	175	150	133	175
1870	149	156	152	129	229	171	100	214	150	133	150	133	175	150	133	175	150	133	175
1871	147	157	152	129	229	171	100	214	150	133	150	133	175	150	133	175	150	133	175
1872	150	159	152	129	229	171	100	214	150	133	150	133	175	150	133	175	150	133	175
1873	147	159	155	130	229	171	100	214	150	133	150	133	175	150	133	175	150	133	175
1874	127	146	137	128	213	171	83	205	75	117	163	150	135	150	135	150	135	150	135
1875	124	136	131	126	229	171	100	205	—	109	163	150	—	150	163	150	—	150	163
1876	114	122	120	120	206	157	100	194	—	125	163	150	—	150	163	150	—	150	163
1877	106	116	110	119	214	157	100	200	—	125	163	150	—	150	163	150	—	150	163
1878	106	115	111	117	214	157	100	200	167	125	163	150	—	150	163	150	—	150	163
1879	106	115	110	117	214	157	100	200	167	125	163	150	—	150	163	150	—	150	163
1880	108	119	113	117	214	157	100	200	167	125	163	150	—	150	163	150	—	150	163





TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Furniture—(Con.).																									
Ill., Chicago, p. 438.			Indiana, p. 442.																						
Base wage Year	Cabinet- maker		Carver	Chair- maker		Engineer		Finisher		Foreman		Laborer		Machine Hand		Packer		Painter		Turner		Varnisher		Cabinet- maker	
	Day	Day		Day	Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	\$1.10	\$0.3333	\$2.00	\$1.6667	\$1.50	\$1.50	\$40.00	\$0.75	\$1.00	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	125	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	114	100	100	100	100	100	100	100	100	125	100	100	100	100	100	100	150	100	100	100	120	100	100	100	100
1863	148	100	113	100	117	117	138	100	100	138	100	100	100	100	100	100	150	100	100	100	120	120	100	100	100
1864	205	100	113	100	117	117	150	100	100	150	100	100	100	100	100	100	150	100	100	100	140	120	100	100	100
1865	227	100	113	120	117	117	163	101	100	160	100	100	100	100	100	100	150	100	100	100	140	120	100	100	100
1866	250	175	125	120	117	117	175	111	100	175	111	100	100	100	100	100	150	100	100	100	160	120	100	100	100
1867	250	175	125	120	117	117	175	133	117	175	133	117	100	100	100	100	150	100	100	100	160	120	100	100	100
1868	250	175	125	120	117	117	175	133	117	175	133	117	100	100	100	100	150	100	100	100	160	120	100	100	100
1869	236	175	125	120	117	117	175	133	125	175	133	125	100	100	100	100	150	100	171	160	120	120	100	100	100
1870	205	175	125	150	117	117	175	167	150	175	167	150	100	100	100	100	150	100	214	160	120	120	100	100	100
1871	182	175	125	150	117	117	175	167	167	175	167	167	100	100	100	100	150	100	214	160	120	120	111	100	100
1872	182	175	125	150	117	117	175	167	175	175	167	175	100	100	100	100	125	100	214	160	120	120	111	100	100
1873	182	175	125	150	100	117	175	167	175	175	167	175	100	100	100	100	125	100	214	160	120	120	111	100	100
1874	159	175	125	150	100	117	175	167	158	175	167	158	100	100	100	100	125	100	214	160	120	120	111	100	100
1875	159	150	125	150	100	117	175	167	150	175	167	150	100	100	100	100	100	100	193	160	120	120	111	100	100
1876	159	125	125	150	100	117	175	156	150	175	156	150	100	100	100	100	100	100	193	160	120	120	111	100	100
1877	182	100	125	150	100	117	175	133	140	175	133	140	100	100	100	100	100	100	100	160	120	120	111	100	100
1878	182	100	125	150	100	117	175	133	140	175	133	140	100	100	100	100	100	100	100	160	120	120	111	100	100
1879	159	100	125	150	100	117	175	133	140	175	133	140	100	100	100	100	100	100	100	160	120	120	111	100	100
1880	182	—	—	—	—	—	175	—	—	—	—	—	—	—	—	—	—	—	—	160	—	—	—	111	100



TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Ky., Louisville, p. 445—(Con.).										Ky., Louisville, p. 446.									
Furniture—(Con.).					Cabinet.					Machine					Machine				
Foreman	Laborer	Hand	Packer	Turner	Varnisher	maker	Carver	Engineer	Foreman	Laborer	Hand	Packer	Turner	Foreman	Laborer	Hand	Packer	Turner	
Base wage	\$80.00	\$1.25	\$1.75	\$2.00	\$2.00	\$1.40	\$1.50	\$2.00	\$75.00	\$1.00	\$1.25	\$1.25	\$1.50						
Year	Month	Day	Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day				Day	Day	
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1861	100	100	100	100	100	107	100	100	100	100	100	100	100	100	100	120	100	100	
1862	100	100	100	100	100	125	133	100	113	125	140	100	100	100	100	125	140	100	
1863	100	100	100	100	100	179	133	100	113	125	160	120	167	100	125	160	120	167	
1864	100	100	100	113	100	179	133	100	113	125	160	120	167	100	125	160	120	167	
1865	100	100	114	100	113	196	200	100	113	150	200	120	183	100	150	200	120	183	
1866	100	100	114	100	113	196	200	100	133	150	200	160	183	100	150	200	160	183	
1867	100	106	114	111	125	196	200	100	133	150	220	160	200	100	150	220	160	200	
1868	100	106	114	111	125	196	200	100	133	150	220	160	200	100	150	220	160	200	
1869	100	106	114	111	125	196	200	100	133	150	220	160	200	100	150	220	160	200	
1870	100	106	114	111	125	196	183	125	133	150	220	160	200	100	150	220	160	200	
1871	100	106	114	111	125	196	200	125	133	150	240	160	200	100	150	240	160	200	
1872	100	106	114	111	125	196	200	125	133	150	240	140	183	100	150	240	140	183	
1873	100	106	114	111	125	179	200	125	133	125	220	140	183	100	125	220	140	183	
1874	94	106	100	111	113	179	183	100	133	125	200	120	167	100	125	200	120	167	
1875	94	100	100	100	113	179	183	100	113	125	200	120	150	100	125	200	120	150	
1876	94	96	100	100	113	88	143	100	113	100	180	120	150	100	100	180	120	150	
1877	94	96	106	100	125	88	125	100	113	100	160	120	117	100	100	160	120	117	
1878	94	100	106	111	125	100	125	100	113	100	160	140	117	100	100	160	140	117	
1879	94	100	106	111	125	100	143	125	113	125	160	140	138	100	125	160	140	138	
1880	94	—	—	—	—	143	183	125	113	125	160	140	138	100	125	160	140	138	

TABLE 8--(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

The Woollen Industry (Con)															C. & W. Works, Illinois, p. 413				
Ohio, Dresden, p 400—(Con.).																			
Base wage Year	Dyer	Dyer's Helper	Fuller	Gigger	Loom Fixer	Overseers of different		Scourer	Shearer	Spinner	Teamster	Warner	Weaver		Apprentice				
						Flaxer	Pickler						Scourer	Shearer		Spinner	Teamster	Warner	Weaver
\$1.25	\$1.25	\$1.25	\$1.25	\$1.25	\$2.00	\$58.50	\$ 60	\$1.25	\$2.00	\$1.25	\$1.00	\$1.00	\$1.00	\$1.00	\$ 33 3/8%				
Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day	Day	Day	Day	Day	Day				
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100				
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100				
1862	160	120	100	100	100	100	125	160	100	130	100	125	100	100	149				
1863	160	120	100	100	100	100	125	160	100	120	100	125	100	100	149				
1864	160	120	100	100	100	100	125	160	100	120	100	125	100	100	149				
1865	160	120	100	100	100	100	125	160	100	120	100	125	100	100	149				
1866	160	120	100	100	100	100	125	160	100	120	100	125	100	100	149				
1867	160	120	100	100	100	100	125	160	100	120	100	125	100	100	160				
1868	160	120	100	100	100	100	125	160	100	120	100	125	100	100	150				
1869	160	120	100	100	100	100	125	160	100	120	100	125	100	100	150				
1870	160	100	100	100	100	89	108	120	75	120	100	100	100	100	150				
1871	160	100	100	100	100	89	108	120	75	120	100	100	100	100	150				
1872	160	100	100	100	100	89	108	120	75	120	100	100	100	100	150				
1873	160	100	100	100	100	89	108	120	75	120	100	100	100	100	150				
1874	120	100	100	100	100	89	108	120	75	120	100	100	100	100	125				
1875	120	100	100	100	100	89	108	120	75	120	100	100	100	100	125				
1876	120	100	100	100	100	89	108	120	75	120	100	100	100	100	125				
1877	120	100	100	100	100	89	108	120	75	120	100	100	100	100	125				
1878	120	100	100	100	100	89	108	120	75	120	100	100	100	100	125				
1879	120	100	100	100	100	89	108	120	75	120	100	100	100	100	125				
1880	120	100	100	100	100	89	108	120	75	120	100	100	100	100	125				





TABLE 6—(CONTINUED).  
*Relative wages from Vol. XX of the Tenth Census.*  
 Carriage and Wagon Works—(Con.).

Base wage Year	Indiana, Indianapolis, p. 414— (Con.).				Iowa, Dubuque, p. 416.				Ky., Louisville, p. 416.			
	Striper		Wheelwright		Blacksmith		Woodworker		Blacksmith		Painter	
	Stitcher	Trimmer	Varnisher	Watchman	Day	Day	Day	Day	Day	Day	Day	Day
1860	\$1.00	\$1.50	\$2.00	\$1.00	\$1.75	\$3.00	\$1.25	\$1.25	\$1.25	\$2.83	\$2.00	\$2.00
1861	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	100	100	100
1863	100	100	88	100	86	75	200	200	200	129	108	108
1864	100	117	88	100	86	75	220	220	220	172	125	121
1865	125	117	100	125	100	88	220	220	220	186	150	150
1866	125	117	100	125	100	88	220	220	220	215	158	158
1867	125	117	113	100	114	88	220	220	220	200	167	167
1868	125	117	113	150	114	100	220	220	220	200	175	175
1869	125	117	113	150	114	100	220	220	220	200	175	175
1870	125	117	113	150	100	100	220	220	220	200	175	183
1871	125	117	113	150	100	100	220	220	220	172	175	175
1872	125	117	113	150	100	100	220	220	220	172	192	175
1873	125	117	113	150	100	100	200	200	200	164	192	200
1874	100	100	100	125	100	100	200	200	200	179	175	175
1875	100	100	100	125	86	88	180	180	180	179	150	175
1876	100	83	100	125	86	88	180	180	180	157	125	150
1877	100	83	100	125	86	88	—	—	—	150	125	150
1878	100	83	100	125	86	88	180	180	180	143	117	150
1879	125	100	113	150	100	100	180	180	180	139	108	133
1880	—	—	—	—	—	—	200	200	200	107	125	125

TABLE 6—(CONTINUED).  
*Relative wages from Vol. XX of the Tenth Census.*

Carriage and Wagon Works—(Con.).																							
Ky., p. 416.		Maine, Portland, p. 417.																					
Base wage Year	Wood- worker	Apprentice		Black- smith		Blacksmith's Body		Finisher		Foreman		Laborer		Painter		Striper		Teamster		Trimmer		Varnisher	
		Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	
1860	—	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1862	110	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1863	120	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	
1864	140	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	
1865	151	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	
1866	181	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	
1867	181	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	
1868	201	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	
1869	211	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	
1870	211	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	
1871	220	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	
1872	231	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	
1873	241	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	
1874	231	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	
1875	231	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	
1876	220	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	
1877	211	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	
1878	201	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	
1879	181	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	
1880	170	139	139	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	



TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Mass., p. 420—(Con.).		N. Y., p. 423.		Carriage and Wagon Works—(Con.).										Ohio, Ravenna, p. 424.		Wis., Whitewater, p. 426.											
Wheel- wright		Wood- worker		Helpers		Mechanics		Black-Blacksmith's smith		Helper		Body Maker		Painter		Trimmer		Wheel- wright		Black- smith		Helper		Engineer		Laborer	
\$1.33		\$1.25		\$0.87½		\$1.36½		\$1.50		\$1.00		\$1.50		\$1.37½		\$1.37½		\$1.50		\$1.25		\$0.80		\$1.00		\$0.75	
Day		Day		Day		Day		Day		Day		Day		Day		Day		Day		Day		Day		Day		Day	
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	160	115	111	111	121	111	111	100	100	100	100	100	100	100	100	100	100	100	110	125	113	113	107	107	107	107
1862	100	160	121	111	111	121	111	111	126	126	125	126	126	127	127	127	127	127	133	120	125	113	113	133	133	133	133
1863	132	160	116	111	111	116	111	111	167	167	150	167	167	164	164	164	164	164	133	120	125	125	125	133	133	133	133
1864	132	160	116	115	115	116	115	115	183	183	150	183	183	164	164	164	182	182	167	140	156	138	138	167	167	167	167
1865	132	160	129	140	140	129	140	140	200	200	150	200	183	164	164	164	182	182	167	150	188	150	188	183	183	183	183
1866	188	160	146	149	149	146	149	149	200	200	150	200	183	164	164	164	182	182	167	180	188	175	188	200	200	200	200
1867	188	160	153	169	169	153	169	169	200	200	150	200	183	164	164	164	182	182	167	200	188	200	188	200	188	188	188
1868	188	160	171	176	176	171	176	176	200	200	150	200	183	164	164	164	182	182	167	180	188	175	188	200	200	200	200
1869	188	160	193	181	181	193	181	181	200	200	150	200	183	164	164	164	182	182	167	170	188	175	188	200	200	200	200
1870	188	160	157	181	181	157	181	181	200	200	150	200	200	164	164	164	182	182	167	180	188	156	200	200	200	200	200
1871	188	210	157	181	181	157	181	181	200	200	150	200	200	164	164	164	182	182	167	170	188	156	200	200	200	200	200
1872	188	210	157	179	179	157	179	179	200	200	150	200	200	164	164	164	182	182	167	160	188	156	225	225	225	225	225
1873	188	210	171	188	188	171	188	188	200	200	150	200	200	164	164	164	182	182	167	180	188	156	225	225	225	225	225
1874	188	210	171	188	188	171	188	188	200	200	150	183	183	145	145	145	164	164	167	200	188	156	225	225	225	225	225
1875	188	210	171	188	188	171	188	188	167	167	150	183	183	145	145	145	164	164	167	170	188	156	175	175	175	175	175
1876	175	190	171	188	188	171	188	188	167	167	150	183	183	136	136	136	164	164	167	190	188	156	175	175	150	150	150
1877	175	190	171	192	192	171	192	192	167	167	150	183	183	136	136	136	164	164	167	150	141	161	175	133	133	133	133
1878	175	190	157	183	183	157	183	183	167	167	150	183	183	136	136	136	164	164	167	160	141	200	200	133	133	133	133
1879	175	190	143	179	179	143	179	179	167	167	150	183	183	155	155	155	164	164	167	180	141	200	200	133	133	133	133
1880	175	190	143	179	179	143	179	179	200	200	150	217	217	164	164	164	182	182	167	160	141	200	200	150	150	150	150



TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Ill., Chicago,		Furniture—(Con.).										Ky.,	
p. 438.		Indiana, p. 442.										p. 444.	
Cabinet-		Chair-		Machine		Painter		Turner		Varnisher		Cabinet-	
maker		maker		Hand		Day		Day		Day		maker	
Base wage	Year	\$1.10	\$0.3333	\$2.00	\$1.50	\$1.50	\$1.50	\$40.00	\$0.75	\$1.00	\$1.00	\$1.25	\$1.25
		Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	125	100	100	100	100	100
1862	114	100	100	100	100	100	100	125	100	100	100	100	100
1863	148	100	100	113	117	117	117	138	100	100	100	100	100
1864	205	100	100	113	117	117	117	150	100	100	100	100	100
1865	227	100	100	113	117	117	117	163	101	100	100	100	100
1866	250	175	175	125	117	117	117	175	111	100	100	100	100
1867	250	175	175	125	117	117	117	175	133	117	100	100	100
1868	250	175	175	125	117	117	117	175	133	117	100	100	100
1869	236	175	175	125	117	117	117	175	133	125	100	100	100
1870	205	175	175	125	117	117	117	175	167	150	100	100	100
1871	182	175	175	125	117	117	117	175	167	150	100	100	100
1872	182	175	175	125	117	117	117	175	167	150	100	100	100
1873	182	175	175	125	117	117	117	175	167	150	100	100	100
1874	159	175	175	125	117	117	117	175	167	150	100	100	100
1875	159	150	150	125	117	117	117	175	167	150	100	100	100
1876	159	125	125	125	117	117	117	175	156	150	100	100	100
1877	182	100	100	125	117	117	117	175	133	140	100	100	100
1878	182	100	100	125	117	117	117	175	133	140	100	100	100
1879	159	100	100	125	100	100	100	175	133	140	100	100	100
1880	182	—	—	—	—	—	—	175	—	—	—	—	—







TABLE 6—(CONTINUED).  
*Relative wages from Vol. XX of the Tenth Census.*

p. 446—(Con.). Kentucky,			New Hampshire, p. 448.			Furniture—(Con.).			New York, New York, p. 450.			N. Y., p. 450.					
Cabinet- Upholsterer Varnisher maker			Machine Foreman Hand			Cabinet- Turner			Carver			Finisher Foreman Packer Upholsterer Varnisher maker			Cabinet-		
Base wage	\$1.25	\$1.25	\$1.15	\$36.40	\$1.00	\$1.25	\$1.1667	\$1.3333	\$1.1667	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.50	\$1.50
Year	Day	Day	Day	Month	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	120	100	109	100	110	100	100	75	86	100	100	78	100	100	100	100	100
1862	140	120	117	100	125	100	143	112	115	104	133	111	133	133	133	133	133
1863	200	140	117	125	125	120	137	129	129	137	167	133	167	133	167	133	167
1864	200	140	130	125	140	120	229	162	186	167	200	167	200	167	200	117	117
1865	200	160	139	125	150	140	286	187	200	229	217	189	233	233	233	117	117
1866	220	160	139	125	150	140	315	200	200	229	217	211	217	217	217	133	133
1867	240	200	139	125	150	140	300	212	200	250	233	232	233	233	233	133	133
1868	240	200	143	125	150	140	286	225	214	250	233	211	250	233	250	133	133
1869	240	200	143	125	150	140	243	225	200	229	233	200	250	233	200	133	133
1870	240	200	143	125	150	140	243	225	186	229	217	200	250	233	200	167	167
1871	240	200	143	143	150	140	243	225	200	229	250	200	250	233	200	167	167
1872	240	200	143	143	150	140	229	237	200	229	233	200	233	233	200	167	167
1873	240	200	143	143	150	140	214	200	171	208	217	189	200	233	200	167	167
1874	220	200	143	143	150	140	214	212	157	208	183	178	200	233	200	133	133
1875	220	160	143	129	150	140	200	187	171	208	183	167	200	233	200	133	133
1876	180	140	130	129	135	120	186	187	171	208	200	156	200	233	200	133	133
1877	180	120	130	114	135	120	157	162	157	208	183	144	183	200	144	183	133
1878	200	120	130	114	135	120	171	150	157	208	183	133	167	200	133	167	167
1879	200	140	117	114	125	120	200	162	157	208	200	133	150	200	133	150	167
1880	220	160	117	129	125	140	214	200	171	208	217	167	183	217	167	183	167



TABLE 6—(CONTINUED).  
Relative wages from Vol. IX of the Tenth Census.

New York, p. 452—(Con.).										Ohio, Columbus, p. 454.													
Machine		Packer		Turner		Up- holster		Cabinet- maker		Carver		Chair- maker		Engineer		Finisher		Foreman		Laborer		Machine	
Hand	Day	\$1.00	\$1.50	\$1.75	\$1.50	\$2.50	\$3.50	\$2.50	\$3.50	\$2.50	\$3.50	\$2.50	\$3.00	\$3.00	\$2.00	\$2.00	\$100.00	\$1.50	\$2.00	\$2.00	Hand	Day	
Base wage	Year																						
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	\$3.35	
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	\$2.00	
1862	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1863	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1864	150	175	150	143	150	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1865	150	175	150	143	150	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1866	150	175	150	148	150	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1867	150	175	150	143	150	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1868	150	175	150	143	150	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1869	150	175	150	143	150	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1870	150	175	150	157	150	100	86	100	100	100	100	100	100	100	100	100	100	100	100	100	100	89	
1871	150	175	150	157	150	100	86	100	100	100	100	100	100	100	100	100	100	100	100	100	100	89	
1872	150	200	150	157	150	100	86	100	100	100	100	100	100	100	100	100	100	100	100	100	100	89	
1873	150	200	150	157	150	100	86	100	100	100	100	100	100	100	100	100	100	100	100	100	100	89	
1874	150	200	150	157	150	100	86	100	100	100	100	100	100	100	100	100	100	100	100	100	100	89	
1875	150	200	150	157	150	100	86	100	100	100	100	100	100	100	100	100	100	100	100	100	100	89	
1876	150	200	150	157	150	100	86	100	100	100	100	100	100	100	100	100	100	100	100	100	100	89	
1877	150	200	150	157	150	100	86	100	100	100	100	100	100	100	100	100	100	100	100	100	100	89	
1878	150	200	150	157	150	100	86	100	100	100	100	100	100	100	100	100	100	100	100	100	100	89	
1879	150	200	150	157	150	100	86	100	100	100	100	100	100	100	100	100	100	100	100	100	100	89	
1880	150	200	150	157	150	100	86	100	100	100	100	100	100	100	100	100	100	100	100	100	100	89	



TABLE 6—(CONTINUED).  
*Relative wages from Vol. XX of the Tenth Census.*

Furniture—(Con.)													Saw and Planing Mills.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Wisconsin, p. 459—(Con.).													Kentucky, p. 469.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Base wage Year	Finisher				Foreman				Laborer				Machine Hand				Turner				Varnisher				Bench Hand, Sash and Door				Foreman, Sash and Door				Laborer, General				Machine Hand, Sash and Door				Matcher Dressing				Molder Dressing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day		Month		Day			

TABLE 6—(CONTINUED).  
Relative wages from Vol. XX of the Tenth Census.

Saw and Planing Mills—(Con.).											
Kentucky, p. 469—(Con.).						Mich., Carrollton, p. 474.			Mich., Traverse City, p. 477.		
Planer	Sawyer	Steamboat	Surfacer	Filer	Sawyer	Filer	Foreman	Engineer,	Filer	Foreman	Laborer,
Dressing	Dressing	Joiner,	Dressing	Engineer	Sawing	Engineer	Sawing	General	Engineer,	Sawing	General
Dept.	Dept.	General	Dept.	General	Dept.	Dept.	Dept.	General	Dept.	Dept.	General
Base wage	\$1.37%	\$1.60	\$1.37%	\$2.37	\$2.00	\$1.00	\$1.34%	\$1.00	\$5.8167	\$1.00	\$153.83
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Month	Day
1860	100	100	100	100	100	100	100	100	100	100	100
1861	91	91	91	100	100	100	102	94	100	100	119
1862	91	109	91	100	100	100	114	100	100	100	140
1863	127	125	127	84	119	150	139	150	100	100	200
1864	164	172	164	167	103	200	180	225	100	100	260
1865	218	203	218	150	175	175	182	200	100	100	300
1866	218	188	218	200	175	188	202	200	—	—	—
1867	218	188	218	250	175	200	209	200	100	100	300
1868	182	172	182	220	175	200	186	200	100	100	300
1869	182	172	182	220	200	200	198	190	100	100	300
1870	182	188	182	220	175	175	191	190	100	100	300
1871	182	172	182	220	175	175	195	200	153	150	300
1872	182	172	182	200	200	200	242	200	153	150	300
1873	175	169	175	167	200	200	260	225	153	150	300
1874	164	156	164	167	200	175	251	225	153	150	260
1875	164	156	164	150	188	175	200	175	153	150	260
1876	145	156	145	140	188	150	158	175	153	150	260
1877	145	145	145	121	125	125	195	150	153	150	260
1878	145	109	145	116	125	138	167	150	153	150	260
1879	127	—	127	116	125	138	166	150	153	150	260
1880	127	—	127	127	131	150	195	163	163	160	260

TABLE 6—(CONTINUED).  
*Relative wages from Vol. IX of the Tenth Census.*

Mich., Traverse City, p. 477—(Con.).										Saw and Planing Mills—(Con.).										New York, Utica, p. 482.									
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine					Hand, Sash and				
Sawyer					Setter					Bench					Foreman, Sash and					Machine									





TABLE 6—(CONTINUED).

*Relative wages from Vol. XX of the Tenth Census.*

Saw and Planing Mills—(Con.).										Wisconsin, p. 496.				Ship Carpenter. Mo., St. Louis, p. 499.												
Wisconsin, Menomonee, p. 495.																										
Filer Sawing Dept.	Laborer, General		Sawyer Sawing Dept.		Setter Sawing Dept.		Teamster General		Engineer, General		Filer Sawing Dept.		Foreman Sawing Dept.		Laborer, General		Sawyer Sawing Dept.		Setter Sawing Dept.		Teamster General		Calk Day		Engineer Day	
	Base wage Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	—	100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1861	100	106	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	114	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1863	100	128	100	107	123	123	123	123	123	117	133	123	123	123	123	118	133	130	130	130	130	130	130	130	130	130
1864	117	150	125	133	146	146	146	146	146	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
1865	117	150	125	133	146	146	146	146	146	167	200	200	200	200	183	160	160	160	160	160	160	160	160	160	160	160
1866	117	128	125	113	131	131	131	131	131	167	200	200	200	200	175	200	160	160	160	160	160	160	160	160	160	160
1867	117	128	125	113	131	131	131	131	131	167	200	200	200	200	150	200	160	160	160	160	160	160	160	160	160	160
1868	117	128	125	113	131	131	131	131	131	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1869	117	121	125	113	127	127	127	127	127	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1870	100	121	125	113	127	127	127	127	127	238	200	150	150	150	150	150	167	140	150	150	150	150	150	150	150	150
1871	100	114	138	103	115	115	115	115	115	238	200	150	150	150	167	140	150	150	150	150	150	150	150	150	150	150
1872	100	114	138	103	115	115	115	115	115	200	250	250	250	250	166	200	160	160	166	166	166	166	166	166	166	166
1873	100	114	138	103	115	115	115	115	115	167	233	230	230	230	267	267	160	160	150	150	150	150	150	150	150	150
1874	100	107	138	103	104	104	104	104	104	175	333	330	330	330	250	160	160	160	150	150	150	150	150	150	150	150
1875	100	107	138	103	104	104	104	104	104	133	267	267	267	267	200	135	200	130	125	125	125	125	125	125	125	125
1876	100	107	150	103	104	104	104	104	104	167	267	267	267	267	200	125	200	120	125	125	125	125	125	125	125	125
1877	100	100	150	115	100	100	100	100	100	133	133	133	133	130	100	100	200	130	100	100	100	100	100	100	100	100
1878	100	93	150	115	88	117	133	132	132	88	133	132	132	132	100	100	167	160	100	100	100	100	100	100	100	100
1879	100	93	175	115	88	133	200	150	150	133	200	150	150	150	118	167	160	125	125	125	125	125	125	125	125	125
1880	100	100	175	133	170	167	233	175	175	167	233	175	175	175	125	200	180	180	180	180	180	180	180	180	180	180

TABLE 6—(CONCLUDED).  
*Relative wages from Vol. XX of the Tenth Census.*

Ship Carpentry—(Con.).												
P. 499—(Con.).					Ohio, p. 500.							
Base wage Year	Laborer		Ship Carpenter		Dock Hand		Laborer		Sawyer		Ship Carpenter	
	\$1.00	\$2.50	\$2.00	\$1.12½	\$2.25	\$1.75	\$1.12½	\$2.25	\$1.75	\$1.12½	\$2.25	\$1.75
	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100
1861	125	120	125	111	111	111	111	111	111	111	111	143
1862	125	120	125	118	111	111	111	111	111	111	111	143
1863	125	120	125	111	111	111	111	111	111	111	111	143
1864	200	170	188	140	156	140	156	140	156	140	156	200
1865	250	200	188	140	156	140	156	140	156	140	156	200
1866	225	180	188	140	156	140	156	140	156	140	156	200
1867	188	150	188	140	156	140	156	140	156	140	156	200
1868	163	130	188	140	156	140	156	140	156	140	156	200
1869	150	120	188	140	156	140	156	140	156	140	156	200
1870	150	120	188	140	156	140	156	140	156	140	156	200
1871	150	120	163	122	133	122	133	122	133	122	133	171
1872	150	120	163	122	133	122	133	122	133	122	133	171
1873	150	120	163	122	133	122	133	122	133	122	133	171
1874	150	120	150	122	122	122	122	122	122	122	122	157
1875	150	120	138	122	111	122	111	122	111	122	111	143
1876	125	100	100	122	89	122	89	122	89	122	89	114
1877	125	100	100	122	89	122	89	122	89	122	89	114
1878	125	100	100	122	89	122	89	122	89	122	89	114
1879	125	120	100	122	89	122	89	122	89	122	89	114
1880	125	120	125	122	100	122	100	122	100	122	100	139

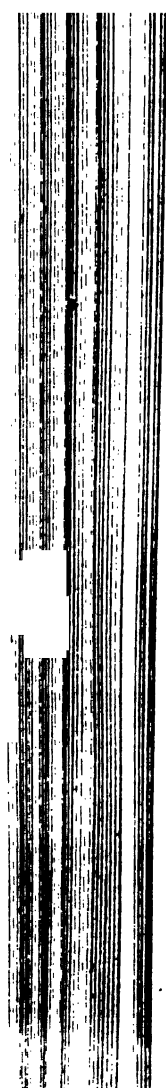


TABLE 7.

*Actual wages per day of "common laborers" employed by manufacturing establishments in 1866, 1869, 1875, and 1879.*

NOTE.—The following table gives the material from which Table 62 (p. 222) is made, so far as concerns the figures for factory laborers. The references to the "census" are to the *Report on the Statistics of Wages in Manufacturing Industries*, by Jos. D. Weeks, *Tenth Census*, Vol. XX. "Aldrich" stands for the *Aldrich Report* of 1893, Parts ii-iv (see above, p. 16, n). The data are given for the years for which corresponding information about farm wages is available. For further explanations see pp. 220-223 above.

TABLE 7.  
*Actual wages per day of "common laborers" employed by manufacturing establishments in 1866, 1869, 1875, and 1879.*

Serial No.	Industry	Source	Page	State	Town	1866 Actual Wages	1869 Actual Wages	1875 Actual Wages	1879 Actual Wages
1	Canning .....	Census	546	Maine	Portland	\$2.00	\$2.00	\$1.50	\$1.25
2	Sugar refining .....	Census	557	Maine	Portland	1.50	1.50	1.50	1.35
3	Cotton manufacture .....	Census	558	Maine	Lisbon	1.33	1.33	1.335	1.21
4	Woolen industry .....	Census	560	Maine	Dover	1.50	1.50	1.40	1.25
5	Carriage and wagon works .....	Census	560	Maine	Portland	1.50	1.50	1.25	1.25
6	Saw- and planing-mills .....	Census	562	Maine	Augusta	1.25	1.25	1.75	1.00
	Average for Maine .....			Maine		1.513	1.513	1.456	1.218
7	Metals and metallic goods .....	Aldrich	1133	New Hampshire		1.4325	1.415	1.4725	1.19
8	Hardware .....	Census	551	New Hampshire	Fisherville	1.50	1.50	1.75	1.75
9	Machinery, locomotives .....	Census	553	New Hampshire	Manchester	1.33	1.33	1.50	1.00
10	Cotton manufacture .....	Census	558	New Hampshire	Concord	1.25	1.25	1.25	1.25
11	Cotton manufacture .....	Census	558	New Hampshire		1.25	1.25	1.15	1.15
12	Woolen industry .....	Census	560	New Hampshire	Manchester	1.33	1.42	1.59	1.27
13	Woolen industry .....	Census	560	New Hampshire		1.375	1.50	1.50	1.25
	Average for New Hampshire .....			New Hampshire		1.353	1.381	1.459	1.266
14	Woolen industry .....	Census	560	Vermont	Colchester	1.25	1.25	1.25	.90
15	Agricultural implements .....	Aldrich	296	Massachusetts		1.855	1.575	1.4475	1.155
16	City public works .....	Aldrich	515	Massachusetts		1.55	1.705	1.6775	1.005
17	Cotton goods .....	Aldrich	756	Massachusetts		1.7575	1.76	1.2375	1.16
18	Metals and metallic goods .....	Aldrich	1086	Massachusetts		1.3575	1.37	1.305	1.185
19	Metals and metallic goods .....	Aldrich	1114	Massachusetts		1.50	1.40	1.55	1.75
20	Metals and metallic goods .....	Aldrich	1120	Massachusetts		1.375	1.75	1.65	1.50
21	Paper .....	Aldrich	1362	Massachusetts		1.50	1.50	1.50	1.25
22	Agricultural implements .....	Census	544	Massachusetts	Chicopee Falls	1.33	1.35	1.35	1.15

TABLE 7—(CONTINUED).

*Actual wages per day of "common laborers" employed by manufacturing establishments in 1866, 1869, 1875, and 1879.*

Serial No.	Industry	Source	Page	State	Town	1866 Actual Wages	1869 Actual Wages	1875 Actual Wages	1879 Actual Wages
23	Gas and coke	Census	547	Massachusetts	East Boston	\$2.333	\$2.333	\$2.333	\$2.333
24	Paint glass	Census	548	Massachusetts	Cambridge	1.75	1.75	2.00	2.00
25	Stove foundries	Census	550	Massachusetts	Taunton	1.75	1.62	1.75	1.35
26	General foundries	Census	551	Massachusetts	Roston	1.06	1.06	1.50	1.50
27	Hardware	Census	551	Massachusetts	Chicopee	1.50	1.50	1.25	1.15
28	Hardware	Census	551	Massachusetts		1.25	1.50	1.25	1.25
29	Hardware	Census	551	Massachusetts		1.40	1.50	1.25	1.25
30	Machine shops and foundries	Census	552	Massachusetts	Worcester	1.6607	1.6607	1.6607	1.50
31	Machine shops and foundries	Census	552	Massachusetts	Worcester	1.07	2.00	1.75	1.35
32	Paper	Census	555	Massachusetts	Holyoke	1.50	1.50	1.50	1.35
33	Paper	Census	555	Massachusetts		1.50	1.50	1.33	1.00
34	Carpets	Census	556	Massachusetts		1.50	1.50	1.35	1.00
35	Cotton manufacture	Census	558	Massachusetts	Fall River	1.40	1.38	1.19	1.00
36	Cotton manufacture	Census	558	Massachusetts	Holyoke	1.35	1.333	1.25	1.25
37	Cotton manufacture	Census	558	Massachusetts		1.63	1.565	1.675	1.30
38	Woolen industry	Census	560	Massachusetts	Pitchburg	1.75	2.00	1.75	1.50
39	Woolen industry	Census	560	Massachusetts		2.02	2.255	2.20	2.045
40	Carriage and wagon works	Census	560	Massachusetts	Amesbury	1.25	1.25	1.25	1.25
	Average for Massachusetts			Massachusetts		1.569	1.624	1.537	1.359
41	Woolen goods	Aldrich	1534	Rhode Island		1.00	1.00	.92	.92
42	Woolen industry	Census	560	Rhode Island	Coventry	1.00	1.00	1.00	1.00
	Average for Rhode Island			Rhode Island		1.00	1.00	.96	.96
43	Belting	Census	544	Connecticut	Hartford	1.066	1.666	1.833	1.00
44	Gas and gas coke	Census	547	Connecticut		1.75	2.00	2.00	1.75
45	Blast furnaces, charcoal	Census	550	Connecticut		1.375	1.50	1.25	1.00

TABLE 7—(CONTINUED).  
*Actual wages per day of "common laborers" employed by manufacturing establishments in 1866, 1869, 1875, 1876, and 1879.*

Serial No.	Industry	Source	Page	State	Town	1866 Actual Wages	1869 Actual Wages	1875 Actual Wages	1879 Actual Wages
46	Hardware	Census	551	Connecticut	.....	.....	.....	.....	.....
47	Paper	Census	555	Connecticut	Unionville	\$1.50	\$1.50	\$1.40	\$1.35
48	Pins	Census	556	Connecticut	Waterbury	1.50	1.75	1.90	1.85
49	Cotton manufacture	Census	558	Connecticut	North Manchester	1.50	1.75	1.75	1.50
50	Cotton manufacture	Census	558	Connecticut	Willimantic	1.50	1.75	1.80	1.35
51	Cotton manufacture	Census	558	Connecticut	.....	1.888	1.00	1.125	.9167
52	Cotton manufacture	Census	558	Connecticut	.....	1.25	1.25	1.125	1.00
53	Furniture	Census	561	Connecticut	New Haven	1.50	1.75	1.50	1.50
	Average for Connecticut	.....	.....	Connecticut	.....	1.468	1.588	1.585	1.374
54	Ale, beer, and porter	Aldrich	322	New York	.....	1.8025	1.8525	1.48	1.44
55	City public works	Aldrich	522	New York	.....	1.90	2.00	2.00	1.80
56	Illuminating gas	Aldrich	918	New York	.....	1.90	1.94	1.75	1.285
57	Metals and metallic goods	Aldrich	1173	New York	.....	1.895	1.50	1.61	1.35
58	Metals and metallic goods	Aldrich	1184	New York	.....	1.4925	1.7025	1.75	1.8025
59	Metals and metallic goods	Aldrich	1300	New York	.....	1.52	1.59	1.575	1.8575
60	Window glass	Census	548	New York	Syracuse	1.84	1.84	1.075	1.00
61	Blast furnaces, anthracite	Census	549	New York	.....	1.50	1.75	1.50	1.00
62	Machinery	Census	552	New York	Albany	1.625	1.75	1.75	1.50
63	Mining, iron	Census	554	New York	Amenia	1.67	1.68	1.15	1.00
64	Paper	Census	555	New York	Niagara Falls	1.25	1.25	1.25	1.25
65	Paper	Census	555	New York	Watertown	1.25	1.25	1.25	1.25
66	Pianos and organs	Census	556	New York	New York	1.888	1.888	1.666	1.898
67	Tanneries	Census	557	New York	.....	1.875	1.875	1.35	1.185
68	Tanneries	Census	557	New York	Lancaster	1.50	1.25	1.00	1.00
69	Tanneries	Census	557	New York	Oneida	1.15	1.846	1.46	1.15
70	Tanneries	Census	557	New York	Pike Pond	1.15	1.15	1.15	1.00

TABLE 7—(CONTINUED).

*Actual wages per day of "common laborers" employed by manufacturing establishments in 1866, 1869, 1875, and 1879.*

Serial No.	Industry	Source	Page	State	Town	1866 Actual Wages	1869 Actual Wages	1875 Actual Wages	1879 Actual Wages
71	Tanneries	Census	557	New York	Sanford	\$1.30	\$1.26	\$1.88	
72	Tanneries	Census	557	New York	Wellsville	1.50	1.50	1.25	1.25
73	Cotton manufacture	Census	558	New York	Cohoes	1.25	1.25	1.25	1.00
74	Woolen industry	Census	560	New York	.....	1.25	1.25	1.15	1.15
75	Woolen industry	Census	560	New York	West Troy	1.40	1.30	1.2375	1.00
76	Furniture	Census	561	New York	New York	1.75	1.75	1.50	1.75
77	Furniture	Census	561	New York	.....	1.50	1.50	1.50	1.50
78	Saw- and planing-mills	Census	563	New York	Utica	1.125	1.25	1.50	1.00
	Average for New York	.....	.....	New York	.....	1.447	1.484	1.411	1.241
79	Building trades	Aldrich	433	New Jersey	.....	1.805	1.83	1.835	1.61
80	Metals and metallic goods	Aldrich	1158	New Jersey	.....	1.75	1.845	1.905	1.5325
81	Cigars and tobacco	Census	546	New Jersey	.....	1.12	1.25	1.50	1.25
82	Window glass	Census	548	New Jersey	Glasboro'	1.50	1.40	1.25	1.10
83	Blast furnaces, anthracite	Census	549	New Jersey	Oxford	1.25	1.37	1.06	.85
84	Foundries, general	Census	551	New Jersey	Millville	1.75	1.70	1.50	1.00
85	Machinery	Census	552	New Jersey	Paterson	1.3925	1.416	1.125	1.125
86	Tin and sheet iron works	Census	553	New Jersey	Newark	2.50	2.50	1.25	1.50
87	Paper	Census	555	New Jersey	.....	1.25	1.25	1.00	1.25
88	Pottery and earthen-ware	Census	557	New Jersey	Newark	1.50	1.75	1.50	1.00
89	Silk manufacture	Census	559	New Jersey	.....	1.50	1.50	1.50	1.50
	Average for New Jersey	.....	.....	New Jersey	.....	1.574	1.619	1.402	1.247
90	City public works	Aldrich	532	Pennsylvania	.....	1.75	1.775	1.81	1.50
91	City public works	Aldrich	546	Pennsylvania	.....	1.75	1.75	1.50	1.25
92	Metals and metallic goods	Aldrich	1342	Pennsylvania	.....	1.585	1.545	1.30	1.20
93	Metals and metallic goods	Aldrich	1354	Pennsylvania	.....	1.50	1.50	1.30	1.15



TABLE 7—(CONTINUED).  
*Actual wages per day of "common laborers" employed by manufacturing establishments in 1866, 1869, 1875, and 1879.*

Serial No.	Industry	Source	Page	State	Town	1866 Actual Wages	1869 Actual Wages	1875 Actual Wages	1879 Actual Wages
94	Spice	Aldrich	1394	Pennsylvania	.....	\$1.75	\$1.61	\$1.66	\$1.47
95	Stone	Aldrich	1450	Pennsylvania	.....	1.50	1.50	1.75	1.875
96	White lead	Aldrich	1457	Pennsylvania	.....	1.75	2.00	1.935	1.94
97	Brick making	Census	546	Pennsylvania	Philadelphia	1.50	1.75	1.50	1.35
98	Flint glass	Census	548	Pennsylvania	Philadelphia	1.67	1.67	1.60	1.59
99	Flint glass	Census	548	Pennsylvania	Pittsburg	1.666	1.666	1.666	1.50
100	Flint glass	Census	548	Pennsylvania	.....	1.666	1.666	1.666	1.50
101	Window glass	Census	548	Pennsylvania	Belle Vernon	2.00	2.00	1.50	1.59
102	Blast furnaces, anthracite	Census	549	Pennsylvania	Catasque	1.59	1.50	1.10	.98
103	Blast furnaces, anthracite	Census	549	Pennsylvania	.....	1.50	1.38	1.13	.965
104	Blast furnaces, charcoal	Census	550	Pennsylvania	Bolling Springs	1.00	1.00	.90	.90
105	Foundries, stove	Census	550	Pennsylvania	Philadelphia	1.448	1.408	1.003	1.396
106	Machinery, locomotives	Census	558	Pennsylvania	.....	2.125	1.875	1.56	1.315
107	Rolling mills and nail factories	Census	558	Pennsylvania	Pittsburg	1.975	1.568	1.0326	1.00
108	Paper	Census	556	Pennsylvania	Boaring Spring	1.10	1.10	1.00	1.19
109	Paper	Census	555	Pennsylvania	.....	1.50	1.338	1.338	1.46
110	Tanneries	Census	557	Pennsylvania	Emporium	1.75	1.75	1.35	1.36
111	Cotton manufacture	Census	558	Pennsylvania	Philadelphia	1.50	1.50	1.50	1.50
112	Car works	Census	561	Pennsylvania	Philadelphia	1.50	1.50	1.338	1.36
113	Furniture	Census	562	Pennsylvania	Philadelphia	1.50	1.50	1.50	1.50
	Average for Pennsylvania	.....	.....	Pennsylvania	.....	1.601	1.596	1.414	1.318
114	Metals and metallic goods	.....	1083	Maryland	.....	1.31	1.578	1.33	1.086
115	Stone	Aldrich	1428	Maryland	.....	1.78	1.738	1.71	1.475
116	Mining, coal	Census	554	Maryland	.....	2.00	3.26	1.1935	1.04
117	Saw- and planing-mills	Census	562	Maryland	Deer Park	1.60	1.50	1.16	1.10
	Average for Maryland	.....	.....	Maryland	.....	1.748	1.704	1.348	1.163

TABLE 7—(CONTINUED).  
*Actual wages per day of "common laborers" employed by manufacturing establishments in 1866, 1869, 1875, and 1879.*

Serial No.	Industry	Source	Page	State	Town	1866 Actual Wages	1869 Actual Wages	1875 Actual Wages	1879 Actual Wages
118	Woolen industry	Census	560	Delaware	.....	\$1.333	\$1.25	\$1.25	\$1.25
119	Flour- and grist-mills	Census	547	West Virginia	Wheeling	1.833	1.833	1.833	1.166
120	Illuminating gas	Aldrich	931	Ohio	.....	1.90	1.75	1.50	1.25
121	Agricultural implements	Census	544	Ohio	.....	1.33	1.67	1.50	1.50
122	Agricultural implements	Census	544	Ohio	Massillon	1.50	1.50	1.25	1.20
123	Breweries and distilleries	Census	545	Ohio	Columbus	1.73	1.73	1.53	1.73
124	Cigars and tobacco	Census	546	Ohio	.....	1.00	1.00	1.00	1.00
125	Blast furnaces, bituminous	Census	549	Ohio	Martins Ferry	1.50	1.50	1.40	1.10
126	Blast furnaces, bituminous	Census	549	Ohio	Youngstown	1.75	1.62	1.25	1.06
127	Machinery	Census	552	Ohio	.....	1.50	1.50	1.50	1.25
128	Paints and white lead	Census	555	Ohio	Cleveland	1.50	1.67	1.35	1.17
129	Pottery and earthen-ware	Census	557	Ohio	East Liverpool	1.875	1.875	1.875	1.50
130	Pottery and earthen-ware	Census	557	Ohio	East Liverpool	1.75	1.75	1.50	1.50
131	Pottery and earthen-ware	Census	557	Ohio	Liverpool Town	1.50	1.50	1.35	1.10
132	Tanneries	Census	557	Ohio	Cincinnati	1.66	1.66	1.50	1.50
133	Furniture	Census	562	Ohio	Columbus	1.50	1.50	1.50	1.50
134	Furniture	Census	562	Ohio	Marietta	1.75	1.50	1.00	1.00
135	Saw- and planing-mills	Census	563	Ohio	.....	2.00	2.00	1.50	1.50
136	Ship carpentry	Census	568	Ohio	.....	1.58	1.58	1.375	1.375
	Average for Ohio	.....	.....	Ohio	.....	1.607	1.606	1.399	1.308
137	Flour- and grist-mills	Census	546	Indiana	Fort Wayne	1.25	1.25	1.35	1.15
138	Flour- and grist-mills	Census	546	Indiana	Lafayette	1.583	1.458	1.833	1.00
139	Gas and gas coke	Census	547	Indiana	Indianapolis	1.75	1.75	1.75	1.25
140	Machinery	Census	552	Indiana	Lafayette	1.50	1.50	1.25	1.25
141	Machine shops and foundries	Census	552	Indiana	New Albany	1.25	1.25	1.00	1.00

TABLE 7--(CONTINUED).

*Actual wages per day of "common laborers" employed by manufacturing establishments in 1906, 1909, 1915, and 1919.*

Serial No.	Industry	Source	Page	State	Town	1906 Actual Wages	1909 Actual Wages	1915 Actual Wages	1919 Actual Wages
142	Machinery, locomotives ..	Census	558	Indiana	Evansville	\$1.20	\$1.75	\$1.83	\$1.25
143	Paper	Census	555	Indiana	Evansville	1.100	1.332	1.00	1.00
144	Pork packing	Census	556	Indiana	Indianapolis	1.35	1.50	1.00	1.00
145	Woolen industry	Census	560	Indiana	Indianapolis	2.00	1.50	1.00	1.25
146	Carriage and wagon works	Census	560	Indiana	Indianapolis	1.25	1.25	1.00	1.25
147	Furniture	Census	561	Indiana	.....	.822	1.00	1.25	1.00
	Average for Indiana	.....	.....	Indiana	.....	1.49	1.412	1.208	1.197
148	Flour- and grist-mills ..	Census	546	Illinois	Beckville	1.50	1.50	1.40	1.25
149	Flour- and grist-mills	Census	546	Illinois	.....	1.000	1.000	1.222	1.222
150	Ice industry	Census	549	Illinois	Peoria	1.25	1.50	1.40	1.25
151	Foundries, stove	Census	550	Illinois	Quincy	1.50	1.50	1.25	1.50
152	Woolen industry	Census	560	Illinois	Springfield	1.50	1.25	1.25	1.25
	Average for Illinois	.....	.....	Illinois	.....	1.402	1.402	1.245	1.216
153	Machinery .....	Census	553	Michigan	Detroit	1.225	1.50	1.20	1.20
154	Furniture	Census	561	Michigan	.....	2.00	1.40	1.40	1.20
155	Saw- and planing mills	Census	563	Michigan	Carrollton	1.975	2.00	1.75	1.275
	Average for Michigan	.....	.....	Michigan	.....	1.899	1.70	1.489	1.256
156	Flour- and grist-mills .....	Census	547	Wisconsin	Neenah	1.00	1.25	1.25	1.25
157	Paper	Census	555	Wisconsin	.....	1.75	1.25	1.00	1.10
158	Carriage and wagon works	Census	560	Wisconsin	Whitewater	1.50	1.25	1.25	1.00
159	Furniture	Census	562	Wisconsin	.....	1.50	1.50	1.25	1.20
160	Saw- and planing-mills .....	Census	563	Wisconsin	Eau Claire	1.40	1.40	1.25	1.25
161	Saw- and planing-mills	Census	563	Wisconsin	Menomonie	1.225	1.21	1.25	1.00
	Average for Wisconsin	.....	.....	Wisconsin	.....	1.429	1.227	1.208	1.212

TABLE 7—(CONCLUDED).  
*Actual wages per day of "common laborers" employed by manufacturing establishments in 1866, 1869, 1875, and 1879.*

Serial No.	Industry	Source	Page	State	Town	1866 Actual Wages	1869 Actual Wages	1875 Actual Wages	1879 Actual Wages
162	Flour- and grist-mills	Census	546	Iowa	De Soto	\$ .88	\$ .90	\$ .96	\$ .88
163	Woolen industry	Census	560	Iowa	Manchester	1.50	1.50	1.25	1.25
	Average for Iowa			Iowa		1.19	1.20	1.105	1.065
164	Brick making	Census	545	Missouri	St. Louis	2.00	2.00	1.625	1.375
165	Brick making	Census	545	Missouri	St. Louis	1.75	2.00	1.25	1.10
166	Cigars and tobacco	Census	546	Missouri	St. Louis	1.85	1.66	1.40	1.50
167	Flour- and grist-mills	Census	547	Missouri	Pay Down	1.25	1.00	.75	.75
168	Machinery	Census	552	Missouri	St. Louis	1.60	1.80	1.50	1.40
169	Ship carpentry	Census	563	Missouri	St. Louis	2.25	1.50	1.50	1.25
	Average for Missouri			Missouri		1.783	1.66	1.337	1.229
170	Agricultural implements	Census	544	Kentucky		1.333	1.333	1.333	1.333
171	Furniture	Census	561	Kentucky	Louisville	1.50	1.50	1.75	1.75
172	Furniture	Census	561	Kentucky	Louisville	1.50	1.50	1.25	1.50
173	Furniture	Census	561	Kentucky	Louisville	1.25	1.33	1.25	1.25
174	Furniture	Census	561	Kentucky		1.50	1.50	1.25	1.25
175	Saw- and planing-mills	Census	562	Kentucky		1.60	1.50	1.25	1.20
176	Saw- and planing-mills	Census	562	Kentucky	Louisville	1.50	1.50	1.25	1.25
	Average for Kentucky			Kentucky		1.455	1.452	1.333	1.362
	Average for Eastern States					1.522	1.555	1.446	1.275
	Average for Western States					1.534	1.506	1.331	1.255



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